

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



a.25076  
A1454

C



United States  
Department of  
Agriculture

National  
Agricultural  
Library

Beltsville,  
Maryland 20705

and

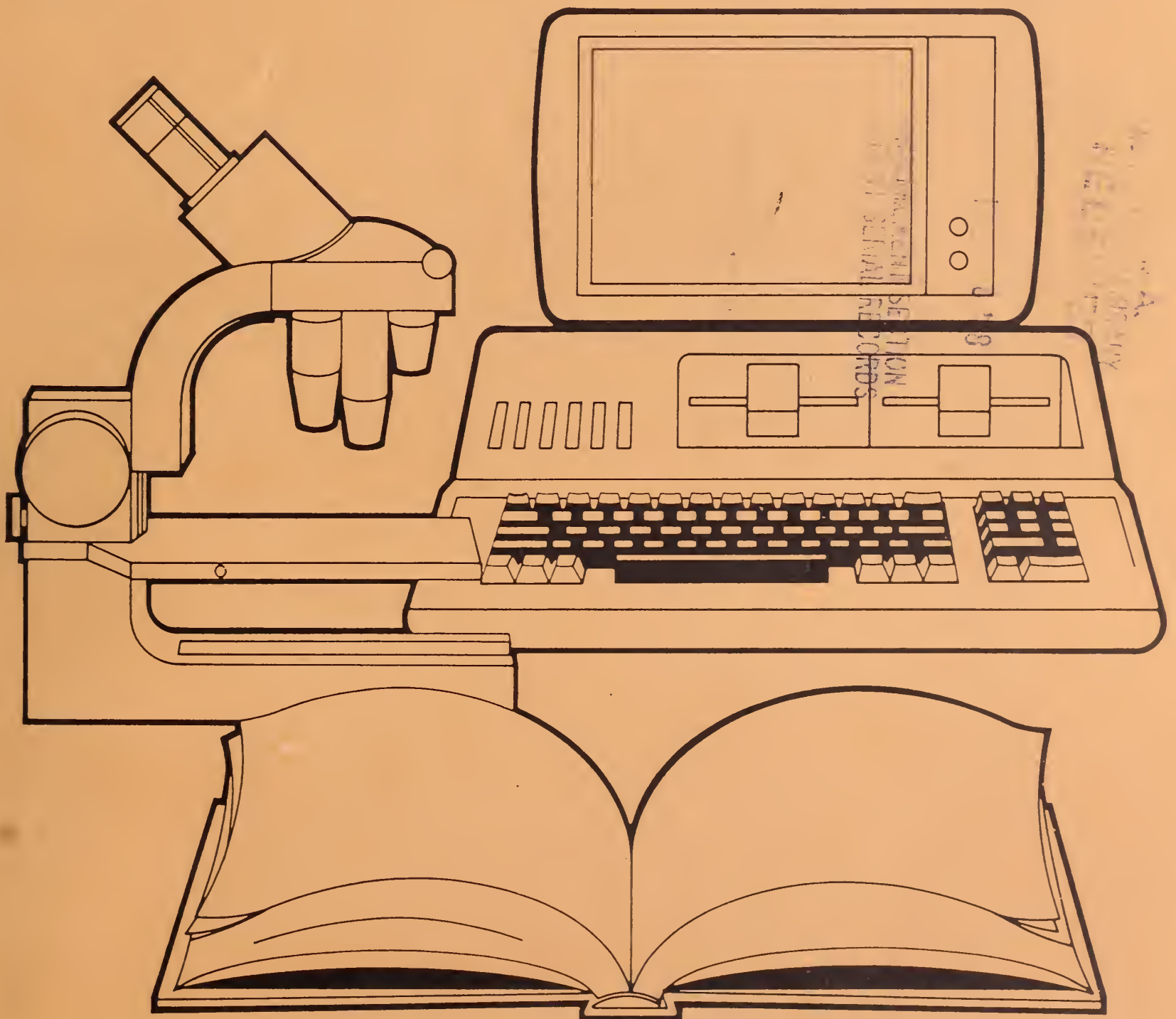
United States  
Environmental  
Protection Agency

Office of Pesticide  
Programs

Bibliographies  
and Literature  
of Agriculture  
Number 61

# The Protection of Potatoes, Sweet Potatoes and Yams, 1979-March 1987

Citations from AGRICOLA Concerning  
Diseases and Other Environmental  
Considerations



915269



**United States  
Department of  
Agriculture**

National  
Agricultural  
Library

Beltsville,  
Maryland 20705

and

United States  
Environmental  
Protection Agency

Office of Pesticide  
Programs

Bibliographies  
and Literature  
of Agriculture  
Number 61

December 1987

# **The Protection of Potatoes, Sweet Potatoes and Yams, 1979-March 1987**

Citations from AGRICOLA Concerning  
Diseases and Other Environmental  
Considerations

Compiled and Edited by Charles N. Bebee  
National Agricultural Library



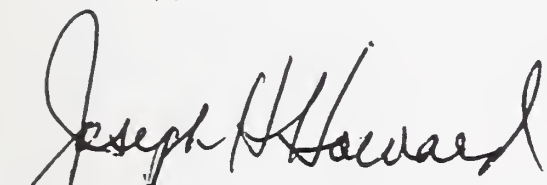
## FOREWORD

This is the 15th volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the U.S. Department of Agriculture, National Agricultural Library (USDA-NAL), and the U.S. Environmental Protection Agency, Office of Pesticide Programs (EPA-CPP).


This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from U.S. publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.



JOSEPH H. HOWARD, Director  
National Agricultural Library



DOUGLAS D. CAMPT, Director  
Office of Pesticide Programs



## INTRODUCTION

The citations in this bibliography are selected from works by U.S. authors on all aspects of the protection of potatoes, sweet potatoes and yams. All citations are derived from AGRICOLA (AGRICultural OnLine Access), the family of databases compiled by the National Agricultural Library and its cooperators.

This is the 15th bibliography included in a series of commodity-oriented environmental databases jointly sponsored by the National Agricultural Library, U.S. Department of Agriculture (USDA-NAL), and the Office of Pesticides Programs, U.S. Environmental Protection Agency (EPA-OPP). Additional volumes issued recently or planned for the immediate future concern protection of corn, soybeans, pome fruits, stone fruits, grain sorghum, rice, and peanuts.

Entries in the bibliography are subdivided into a series of subject headings used in the table of contents of the Bibliography of Agriculture and in the National Agricultural Library Catalog. Each citation appears under the subject heading assigned to the particular item. A complete author index is also included in the publication.

The Office of Pesticide Programs, EPA, has furnished technical assistance to the compiler through members of a commodity-oriented environmental data team which included:

Charles D. Reese  
H. Irving Brigham  
Bernard Schneider, Ph.D.  
Richard Petrie

Any comments or questions may be forwarded to the compiler:

Charles N. Bebee  
USDA, National Agricultural Library  
Room 111  
Beltsville, MD 20705  
(301) 344-4077







United States  
Department of  
Agriculture

National  
Agricultural  
Library

Public Services  
Division

Beltsville, Maryland  
20705

## AVAILABILITY OF CITED DOCUMENTS

### NON-USDA Patrons

The materials listed in this bibliography are available on interlibrary loan through your local library. The librarian in your Public, State, University or Corporate library can assist you in obtaining materials either in your area or directly from the National Agricultural Library. Current charges for photocopies are \$5.00 for the first 10 pages; \$3.00 for each additional 10 pages; \$5.00 for the first fiche and \$.50 for each additional fiche. Invoices are issued quarterly. Requests must comply with the National or International Interlibrary Loan Code. If you have questions about the availability of these materials, please write to:

Lending Branch  
National Agricultural Library  
Beltsville, MD 20705

### USDA Patrons

The materials listed in this bibliography may be obtained by submitting one Form AD 245 for each item requested to your local Agency or Regional Document Delivery System Library or directly to the National Agricultural Library, Lending Branch



# The Protection of Potatoes, Sweet Potatoes and Yams, 1979-March 1987

Research	1-11
Meteorology and Climatology	12
U.S. Extension Services	13-14
Land Economics	15
Economics of Agric.	16-19
Farm Organization and Management	20-30
Distribution and Marketing	31-32
Grading, Standards, Labelling	33-50
Plant Production - General	51-54
Plant Production - Horticultural Crops	55-93
Plant Production - Field Crops	94-95
Plant Breeding	96-115
Plant Structure	116-118
Plant Nutrition	119-136
Plant Physiology and Biochemistry	137-156
Protection of Plants	157-228
Pests of Plants - General and Misc.	229-230
Pests of Plants - Insects	231-450
Pests of Plants - Nematodes	451-492
Plant Diseases - General	493-505
Plant Diseases - Fungal	506-701
Plant Diseases - Bacterial	702-751
Plant Diseases - Viral	752-795
Plant Diseases - Physiological	796-798
Miscellaneous Plant Disorders	799-838
Protection of Plant Products - General and Misc.	839-887
Protection of Plant Products - Insects	888-890
Weeds	891-983
Pesticides - General	984-1044
Soil Science	1045
Soil Fertility - Fertilizers	1046-1055
Soil Resources and Management	1056
Soil Cultivation	1057
Animal Science	1058-1059
Entomology Related	1060-1071
Animal Ecology	1072-1074
Animal Structure	1075
Animal Nutrition	1076-1078
Animal Physiology and Biochemistry	1079
Animal Taxonomy and Geography	1080
Veterinary Pharmacology, Toxicology and Immune Therapeutic Agents	1081
Pests of Animals - Helminths	1082-1084
Protection of Animal Products - General and Misc.	1085
Farm Equipment	1086-1092
Natural Resources	1093-1094
Biomass Energy Sources	1095
Water Resources and Management	1096
Drainage and Irrigation	1097-1098

Food Science, Field Crop	1099-1100
Food Processing	1101
Food Processing, Field Crop	1102
Food Processsing, Horticultural Crop	1103-1106
Food Storage	1107-1108
Food Storage, Horticultural Crop	1109-1117
Food Contamination and Toxicology	1118-1124
Food Contamination, Livestock	1125-1126
Food Contamination, Field Crop	1127-1130
Food Contamination, Horticultural Crop	1131-1150
Food Composition, Livestock	1151
Food Composition, Horticultural Crop	1152-1161
Feed Contamination Toxicology	1162
Diet and Diet Related Diseases	1163-1165
Home Economics	1166
Pollution	1167-1170
Mathematics and Statistics	1171-1175
Social Sciences and Humanities	1176
Author Index p.151-159	

# EPA BIBLIOGRAPHY

## RESEARCH

0001

**Biological and chemical control of potato insects (Research project, Maine).**  
Storch, R.H.MAMRA. Sewell, G.H. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 23-24. (NAL Call No.: 100 M28M).

0002

**Biology and control of seed-borne and foliar diseases of potato (Research projects, Maine).**  
Manzer, F.MAMRA. Saltsman, P.; Giggie, E.; Grounds, G. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 25-28. (NAL Call No.: 100 M28M).

0003

**Biology of the coccinellidae of northeastern Maine (Biological control of potato pest insects, research project, Maine).**  
Storch, R.H.MAMRA. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 22. (NAL Call No.: 100 M28M).

0004

**Development of modern IPM (integrated pest management) control techniques for potato tuber diseases (Research project, Maine).**  
Leach, S.S.MAMRA. Murdoch, C.; Bandy, B.; Potaro, L.; Specht, L. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 95-97. (NAL Call No.: 100 M28M).

0005

**Experiment station work, I good vs. poor cows, corn vs. wheat, much vs. little protein, forage crops for pigs, Robertson silage mixture, alfalfa, proportion of grain to straw, phosphates as fertilizers, harmful effects of muriate of potash, studies in irrigation, potato scab, barnyard manure /prepared in the Office of Experiment Stations. -.**  
Washington : U.S. Dept. of Agriculture, 1897. 31 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.56).

0006

**Experiment station work, I good vs. poor cows, corn vs. wheat, much vs. little protein, forage crops for pigs, Robertson silage mixture, alfalfa, proportion of grain to straw, phosphates as fertilizers, harmful effects of muriate of potash, studies in irrigation, potato scab, barnyard manure /prepared in the Office of Experiment Stations.**  
Washington : U.S. Dept. of Agriculture, 1897. Cover title. 30 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.56).

0007

**Experiment station work, XLII Extension of rice culture, laxative properties of wheat bran, growing seed potatoes under mulch, emmer as a feeding stuff, manure as a summer mulch in forcing houses, roots for farm animals, cabbage as stock feed, renewal of old orchards, pasturing hogs, injury by Bordeaux mixture, cull beans as a feed for hogs, gluten flours and similar foods, healthy poultry /prepared in the Office of Experiment Stations.**  
Washington : U.S. Dept. of Agriculture, 1907. Cover title.~ "Compiled from the publications of the agricultural experiment stations.". 32 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84F no.305).

0008

**Experiment station work, XLIV distributing manure and fertilizers, cooking cereal foods, silage making, winter killing of peach buds, horse-feeding tests, color of apples, supplements to corn for hogs, ringing herbaceous plants, tankage for hogs following cattle, potato scab, gas injury to trees, hoppers for poultry feeding, the tuna or prickly pear /prepared in the Office of Experiment Stations.**  
Washington : U.S. Dept. of Agriculture, 1908. Cover title.~ "Compiled from the publications of the agricultural experiment stations.". 32 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84F no.316).



## **(RESEARCH)**

**0009**

**Fertilization and weed control in potatoes  
(Research projects, Maine).**

Murphy, H.J.MAMRA. Morrow, L.S. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 13-15. (NAL Call No.: 100 M28M).

**0010**

**Integrated pest management--biological control  
of potato pathogens (Research project, Maine).**

Murdoch, C.W.MAMRA. Leach, S.S.; Potaro, L.J. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 98-100. (NAL Call No.: 100 M28M).

**0011**

**Maine's anti-bruise campaign (Potato damage  
control, processing methods, research  
projects).**

Stiles, D.B.MAMRA. Haller, N.D.; Chapman, K.S. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 91-94. (NAL Call No.: 100 M28M).



# METEOROLOGY AND CLIMATOLOGY

0012

**Beating the freeze.**

Guenthner, J. Moscow, Idaho : The Service.  
Current information series - Cooperative  
Extension Service, University of Idaho. May  
1984. (734). 2 p. (NAL Call No.: DNAL 275.29  
ID13IDC).

# U.S. EXTENSION SERVICES

0013

Experiment station work, I good vs. poor cows, corn vs. wheat, much vs. little protein, forage crops for pigs, Robertson silage mixture, alfalfa, proportion of grain to straw, phosphates as fertilizers, harmful effects of muriate of potash, studies in irrigation, potato scab, barnyard manure /prepared in the Office of Experiment Stations. -.

Washington : U.S. Dept. of Agriculture, 1897.  
31 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.56).

0014

Experiment station work, I good vs. poor cows, corn vs. wheat, much vs. little protein, forage crops for pigs, Robertson silage mixture, alfalfa, proportion of grain to straw, phosphates as fertilizers, harmful effects of muriate of potash, studies in irrigation, potato scab, barnyard manure /prepared in the Office of Experiment Stations.

Washington : U.S. Dept. of Agriculture, 1897.  
Cover title. 30 p. : ill. ; 23 cm. (NAL Call No.: DNAL 1 Ag84F no.56).

# LAND ECONOMICS

0015

**Long Island's agriculture, a brief description.**  
Baker, B. Ithaca, N.Y. : The Station. A.E. Res.  
- New York State College of Agriculture and  
Life Sciences, Department of Agricultural  
Economics, Cornell University, Agricultural  
Experiment Station. July 1986. (86-17). 27 p.  
maps. Includes 36 references. (NAL Call No.:  
DNAL 281.9 C81A).

# ECONOMICS OF AGRIC. PRODUCTION

0016

## **Chain speed adjustment to obtain low tuber damage at harvest.**

Thornton, R.E. Hyde, G.M.; Thornton, R.K.; Hammond, M.W. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, . Summer 1985. (fiche no. 85-1141). 11 p. Includes references. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0017

## **Costs of producing potatoes: 1980 and 1981 with projections for 1982.**

Zepp, G.A. Washington, D.C. : The Department. Extract: Costs of production for fresh potatoes will increase only slightly for 1982; substantially reduced seed costs should offset other operating cost increases. Processing potato costs should range from almost unchanged in the Red River Valley to a 4.2 -percent increase in western Idaho. Central Wisconsin showed the lowest total cost for producing fresh potatoes, while Maine had a cost advantage over other producing areas for supplying fresh potatoes to northeastern U.S. markets. Eastern Idaho showed the highest cost per hundredweight for fresh potatoes. Washington's Columbia River Basin had the lowest cost for growing, harvesting, and storing processing potatoes, while the Minnesota/North Dakota Red River Valley had the highest. This study estimates costs for producing, storing, and packing potatoes in major U.S. production regions during 1980 and 1981 with projections for 1982. Agricultural economic report - United States Dept. of Agriculture. Available from NTIS, order no. PB83-106609.~ Includes statistical data. Oct 1982. (491). 97 p. Includes 7 references. (NAL Call No.: DNAL AGE A281.9 AG8A).

0018

## **Economic impact of introducing rotations on Long Island potato farms.**

Lazarus, S.S. White, G.B. Amherst, Mass. : Northeastern Agricultural and Resource Economics Association. Extract: Potatoes have been grown continuously on many Long Island (New York) fields. Environmental concerns have raised questions about the continued usage of this practice. A farm-level linear programming model was used to investigate the economic impacts of crop rotations which result in reduced potato acreage. Crop rotations (an Integrated Pest Management tactic) reduced total pesticide use, but also reduced returns above variable costs as successively stringent rotation requirements were forced into the solution. The crop rotations which caused the least effect on income were identified. Northeastern journal of agricultural and resource economics. Includes statistical data.

Oct 1984. v. 13 (2). p. 221-228. Includes 13 references. (NAL Call No.: DNAL AGE HD1773.A2N6).

0019

## **The economic importance of bruising to Idaho potatoes in transit.**

Meyer, N.L. Phelps, R.L.; Kleinschmidt, G.; Devoy, M.L. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, . Summer 1985. (fiche no. 85-6022). 21 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).



# FARM ORGANIZATION AND MANAGEMENT

0020

**Cost analysis of alternative insect control programs for Washington potato production.**

Kirpes, D.J. Powell, D.M.; Folwell, R.J.; Smith, T.J.; Tamaki, G.; Baritelle, J.L. Pullman, Wash., The Center. Extract: The maintenance and improvement in ability to produce potatoes in Washington is the effectiveness (technical and economical) of the pest management programs employed by producers. The general objective of this research was to analyze the variation in production costs as potato producers adopt alternative pest management programs. Seven fall potato and six early potato alternative production systems were developed. Bulletin - College of Agriculture Research Center, Washington State University. 1982. 1982. (XC 0636). 28 p. (NAL Call No.: 100 W27E).

0021

**Cost of pesticides for potatoes in upstate New York, 1981.**

Fohner, G.R. White, G.B. Ithaca, N.Y. : The Station. Extract: The purpose of this study was to collect information about the quantity and costs of pesticides used on potatoes in upstate New York. The objectives for collecting this information were to: 1) provide potato growers with an accounting of the quantity of pesticides they used on their potatoes, and a comparison with the quantities used on other potato farms in their area, and 2) help guide the potato pest management program in upstate New York and provide a baseline for evaluating the program in the future. A.E. Res. - New York State College of Agriculture and Life Sciences, Department of Agricultural Economics, Cornell University, Agricultural Experiment Station. Oct 1982. Oct 1982. (82-30). 22 p. Includes 8 references. (NAL Call No.: 281.9 C81A).

0022

**Costs and benefits of the Steuben County potato IPM program /Martin Meltzer. -.**

Meltzer, Martin. Ithaca, N.Y. : Dept. of Agricultural Economics, Cornell University Agricultural Experiment Station, New York State College of Agriculture and Life Sciences, 1984. Cover title. ~ "December 1984.". 22 p. : ill. ; 28 cm. -. Bibliography: p. 18. (NAL Call No.: DNAL HD1407.C6 no.84-29).

0023

**Economic evaluation of selected cultural methods for suppressing the green peach aphid as a vector of virus diseases of potatoes and sugarbeets (*Myzus persicae*).**

Folwell, R.J. Fagerlie, D.L.; Tamaki, G.; Ogg, A.G.; Comes, R.; Baritelle, J.L. Pullman, Wash., The Center. Extract: The green peach aphid (GPA), *Myzus persicae*, causes economic damage to potatoes and sugarbeet crops in the Pacific Northwest (PNW) via actual physical

damage to the crops as well as being a major vector of the key virus diseases. If the GPA could be suppressed by grass strip establishment in all Washington peach orchards, the production costs of fall potatoes could be reduced by \$20,142,560 because of the elimination of the side-dressing of a systemic insecticide to control the GPA. The added production costs to peach producers would be less than 1% of the potential savings to PNW potato producers. Washington sugarbeet growers would save \$440,266 per year in production costs by changing to cheaper insecticides. Not all costs and benefits were quantifiable. Bulletin - Washington State University, College of Agriculture Research Center. 1981. 1981. (O900). 15 p. 19 ref. (NAL Call No.: 100 W27E).

0024

**Economic losses in potatoes due to weeds (in the United States).**

Murphy, H.J. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 48-51. ill. (NAL Call No.: 79.9 N814).

0025

**The economic potential of crop rotations in Long Island potato production.**

Lazarus, S.S. White, G.B. Ithaca, N.Y. : The Station. A.E. Res. - New York State College of Agriculture and Life Sciences, Department of Agricultural Economics, Cornell University, Agricultural Experiment Station. May 1983. May 1983. (83-20). 37 p. Includes 12 references. (NAL Call No.: 281.9 C81A).

0026

**Pest management for potatoes in Wisconsin--a pilot program (Fungicide and insecticide applications, costs and returns for growers).**

Shields, E.J. Hygnstrom, J.R.; Curwen, D.; Stevenson, W.R.; Wyman, J.A.; Binning, L.K. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 508-516. Includes 2 references. (NAL Call No.: 75.8 P842).

0027

**Pesticide use on fall potatoes in the Northeast Region, 1979.**

Parks, J.R. Washington, D.C. : The Service. Extract: A survey of pesticides used in fall potato production was conducted by the U.S. Department of Agriculture in 1979. Information is reported for Maine, New York, and Pennsylvania. An estimated 3.5 million pounds (active ingredient) of pesticides were used. Of the 188,500 acres planted to potatoes in the Northeast region, at least 96 percent were treated with a herbicide, fungicide, and/or insecticide. Almost 2.5 million acre-treatments

## **( FARM ORGANIZATION AND MANAGEMENT )**

of pesticides were made in 1979, averaging 1.4 pounds (a.i.) per acre-treatment. Coefficients of variation were calculated for acres treated with specific pesticides. ERS staff report - United States Dept. of Agriculture, Economic Research Service. May 1982. Available from NTIS, order no. PB82-257-569. May 1982. (AGES820518). 20 p. Includes 9 references. (NAL Call No.: 916762(AGE)).

**0028**

**Pesticide use on potatoes in upstate New York.**  
Fohner, G.R. White, G.B. Ithaca, N.Y., The Station. Extract: The purpose of the survey was to describe the pest control practices of potato growers in the two study areas and to provide a basis for a later in-depth field survey designed to estimate the cost of control practices. Except for information about acreage, approximate frequency of fungicide applications, and specifications of spray equipment, the information sought with the mail questionnaire was qualitative, indicating the names but not amounts of the pesticides that were used. A.E. Res. - Dept. of Agricultural Economics, Cornell University Agricultural Experiment Station. July 1981. July 1981. (81-7). 25 p. 2 ref. (NAL Call No.: 281.9 C81A).

**0029**

**Risk management in getting and keeping a stand: diseases and chemicals.**  
Minton, E.B. Memphis : National Cotton Council. Proceedings of the...Beltwide Cotton Production Conference. 1985. p. 9-10. (NAL Call No.: DNAL SB245.B42).

**0030**

**Variegated cutworm (Lepidoptera: Noctuidae): leaf-area consumption, feeding site preference, and economic injury level calculation for potatoes.**  
JEENAI. Shields, E.J. Rouse, D.I.; Wyman, J.A. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct, 1985. v. 78 (5). p. 1095-1099. Includes references. (NAL Call No.: DNAL 421 J822).



# DISTRIBUTION AND MARKETING

0031

**Bruising, freezing, and chemical injury of potatoes in transit /by R.C. Wright.**

Wright, R. C. 1885. Washington : U.S. Dept. of Agriculture, 1939. Caption title. 22 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84Te no.668).

0032

**Protection of potatoes from cold in transitlining and loading cars. -.**

Washington, D.C. : U.S. Dept. of Agriculture, 1920. 27 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1091).

# GRADING, STANDARDS, LABELLING

0033

**Actinomycin D induction of terpene stress metabolites in potato tuber slices.**

Cheema, A.S. Haard, N.F. Westport, Conn., Food and Nutrition Press. Journal of food biochemistry. 1978. v. 2 (3). p. 277-287. ill. 27 ref. (NAL Call No.: TX545.J6).

0034

**Changes in chlorpropham (sprout inhibitor) residues in stored potatoes.**

Corsini, D. Stallknecht, G. Orono, Me. American potato journal. Jan 1979. v. 56 (1). p. 43-50. ill. 10 ref. (NAL Call No.: 75.8 P842).

0035

**Confirmation of organothiophosphorus insecticide residues in fruit and vegetables by oxidative derivatization (Celery, potatoes, lettuce, tomatoes, and apples).**

Singh, J. Cochrane, W.P. Arlington, Va. Journal Association of Official Analytical Chemists. July 1979. v. 62 (4). p. 751-756. ill. 12 ref. (NAL Call No.: 381 AS7).

0036

**Effect of inorganic nutrients on production of steroid glycoalkaloids by Phytophthora infestans race 1.2.4 in vitro (Potato pathogen, toxicity).**

Maas, M.R. Post, F.J. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Jan 1979. v. 42 (1). p. 27-30. ill. 14 ref. (NAL Call No.: 44.8 J824).

0037

**Physiological disposition, subcellular distribution and tissue binding of alpha-chaconine (3H) (Potato glycoalkaloid, toxicity, hamsters).**

Alozie, S.D. Sharma, R.P. Westport, Conn., Food & Nutrition Press. Journal of food safety. 1978. v. 1 (4). p. 257-273. ill. 27 ref. (NAL Call No.: TP373.5.J62).

0038

**Phytoalexins (in peas, beans, carrots, potatoes) and human health--a review.**

Surak, J.G. Lake Alfred. Proceedings of the ... annual meeting Florida State Horticultural Society. 1978 (pub. 1979). v. 91. p. 256-258. ill. 35 ref. (NAL Call No.: 81 F66).

0039

**Potato process residue and bluegrass straw in steer finishing rations.**

Heinemann, W.W. Hanks, E.M. Pullman, Wash., The Center. Bulletin. Washington State University. College of Agriculture Research Center. Dec 1978. Dec 1978. (871). 6 p. ill. 11 ref. (NAL Call No.: 100 W27E).

0040

**Potatoes for prepacking.**

Love, J. Cambridge, Eng., NIAB. Fellows conference report National Institute of Agricultural Botany. 1978. 1978. (2). p. 47. (NAL Call No.: SB16.G5N3).

0041

**Pregelatinized cara (water yam) flour; effect on dough and bread quality.**

El-Dash, A.A. Tosello, A. St. Paul, American Association of Cereal Chemists. Cereal chemistry. Nov/Dec 1978. v. 55 (6). p. 799-808. ill. 9 ref. (NAL Call No.: 59.8 C33).

0042

**Reduction of glycoalkaloid synthesis in potato slices by water soaking.**

Mondy, N.I. Chandra, S. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. Apr 1979. v. 14 (2). p. 173-174. ill. 19 ref. (NAL Call No.: SB1.H6).

0043

**Residues of mancozeb, 2-imidazoline, and ethyleneurea in tomato and potato crops and field treatment with mancozeb.**

Newsome, W.H. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1979. v. 27 (6). p. 1185-1190. ill. 8 ref. (NAL Call No.: 381 J8223).

0044

**Residues of tetrachloronitrobenzene (used as a sprout suppressant) and related compounds in potatoes.**

Heikes, D.L. Griffitt, K.R. New York. Bulletin of environmental contamination and toxicology. Mar 1979. v. 21 (4/5). p. 563-568. ill. 4 ref. (NAL Call No.: RA1270.P35A1).

0045

**Response of sweetpotato cultivars to ethylene (Eating quality, growth regulators).**  
Buescher, R.W. Fayetteville, Arkansas  
Agricultural Experiment Station. Arkansas farm  
research. Jan/Feb 1979. v. 28 (1). p. 10. ill.  
(NAL Call No.: 100 AR42F).

0046

**Some examples of scanning electron microscopy in food science (Potato, Phytophthora infestans, cherry crackling, ethyl oleate, meat, tensile stress).**

Carroll, R.J. Jones, S.B. AMF OHare, Ill.,  
Scanning Electron Microscopy, Inc. Scanning  
electron microscopy. 1979. 1979. (3). p.  
253-260. ill. 11 ref. (NAL Call No.:  
QH212.S3S3).

0047

**Steam-cleaning thermocouple psychrometry equipment (contaminated by volatile substances from apple and potato).**

Murase, H. St. Joseph, Mich., American Society  
of Agricultural Engineers. Agricultural  
engineering. Sept 1979. v. 60 (9). p. 23. ill.  
(NAL Call No.: 58.8 AG83).

0048

**Stress metabolites of the potato and other solanaceous plants.**

Osman, S.F. Zacharius, R.M. Ames, Iowa,  
International Association of Milk, Food, and  
Environmental Sanitarians. Abstract: The  
chemical characterization, formation,  
detection, and toxicity of stress compounds of  
solanaceous plants are reviewed. Most of the  
research has centered on the potato,  
particularly on glycoalkaloid composition.  
About twenty phytoalexins of solanaceae  
produced in response to microbial infections  
have been identified which are either  
sesquiterpine or nor-sesquiterpine derivatives.  
Nonspecific stress may produce chemical  
alterations via catabolic processes. More  
research is needed to understand the complex  
chemical changes in stressed plant tissue and  
the effect on food safety. Journal of food  
protection. June 1979. v. 42 (6). p. 502-507.  
ill., charts. 34 ref.

0049

**Toxicity of novel sesquiterpenoids from the stressed sweetpotato (Ipomoea batatas).**

Wilson, B.J. Burka, L.T. Oxford, Pergamon  
Press. Food and cosmetics toxicology. Aug 1979.  
v. 17 (4). p. 353-355. ill. 11 ref. (NAL Call  
No.: 391.8 F73).

0050

**Preliminary investigation on the production of toxins by potato rot agents (Fusarium species). GERMAN.**

Siegfried, R. Langerfeld, E. Wageningen,  
European Association for Potato Research.  
Potato research. Dec 1978. v. 21 (4). p.  
335-339. ill. 10 ref. (NAL Call No.: 75.8 EU7).

# PLANT PRODUCTION - GENERAL

0051

**Herbicide screening trials on yams (*Dioscorea* sp.) (Weed control ametryn, nitrofen, paraquat, prometryn).**

Liu, L.C. Green-Ortiz, J.J.; Acevedo, E. Rio Piedras, The Station. The Journal of agriculture of the University of Puerto Rico - Puerto Rico, Agricultural Experiment Station. Oct 1981. v. 65 (4). p. 353-360. ill. 11 ref. (NAL Call No.: 8 P832J).

0052

**Interfacing the aim 65 for potato storage control.**

Rowe, R.J. Hunter, J.H.; Drechsel, C.M. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1984 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Winter 1984. (84-5529). 12 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0053

**Sprout control of diploid potatoes (*Solanum phureja* Juz. et Buk.) with maleic hydrazide / by Lauro Lujan-Claure.**

Lujan-Claure, Lauro. 1922. 1970. Thesis--Cornell University. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. x, 113 leaves. Bibliography: leaves 82-89. (NAL Call No.: DISS 70-23,081).

0054

**The 4-H potato project.**

Peek, Bill L. Romanowski, Roman R. 1978. This manual includes information on selection of potato patch, planting, weed and pest control, harvesting and storing potatoes. It stresses the importance of good record-keeping. Document available from: 4-H Department, Purdue University, Agricultural Administration Building, West Lafayette, Indiana 47907. Publication intended for: Member, Elementary, Junior and Senior High Level. Learning Experience: Knowledge, skills, practices. (30) p. in various pagings. : ill. (NAL Call No.: S533.F66I6).(NAL Call No.: 4H-229).



# PLANT PRODUCTION – HORTICULTURAL CROPS

0055

**Amend the Golden nematode act, and relief of Batavia Turf Farms, inc.**  
United States ~ Congress ~ House ~ Committee on Agriculture ~ Subcommittee on Department Investigations, Oversight, and Research.  
Washington U.S. Govt. Print. Off. 1978. iii, 73 p. ; 24 cm. (NAL Call No.: KF27.A33265 1978d).

0056

**Chemical recommendations in commercial potato production (Weed, insect, and disease control).**  
Binning, L.K. Wyman, J.A.; Stevenson, W.R.  
Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Jan 1983. Jan 1983. (2352). 6 p. (NAL Call No.: S544.3.W6W53).

0057

**Commercial potato production and storage (Wisconsin).**  
Curwen, D. Kelling, K.A.; Schoenemann, J.A.; Stevenson, W.R.; Wyman, J.A. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Feb 1982. Feb 1982. (A2257). 5 p. (NAL Call No.: S544.3.W6W53).

0058

**Cover crop and residue management for wind erosion control on sandy soils during potato planting.**  
Pumphrey, F.V. Hane, D.C. Corvallis, Ore., The Station. Circular of information. Oregon. Agricultural Experiment Station. Oct 1978. Oct 1978. (671). 5 p. (NAL Call No.: 100 OR3C).

0059

**The economic importance of bruising to Idaho potatoes in transit.**  
Meyer, N.L. Phelps, R.L.; Kleinschmidt, G.; Devoy, M.L. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-6022). 21 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0060

**Effect of defoliation on yield of potatoes (Varieties, insect injuries).**  
Cranshaw, W.S. Radcliffe, E.B. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 131-134. ill. 18 ref. (NAL Call No.: 421 J822).

0061

**The effect of stone windrowing on potato harvesting.**  
APOJA. Misener, G.C. McLeod, C.D. Orono, Me. : Potato Association of America. American potato journal. Sept 1986. v. 63 (9). p. 495-499. Includes references. (NAL Call No.: DNAL 75.8 P842).

0062

**Evaluating weed control and crop tolerance of soil- and foliar-active herbicides applied in the fall and spring to furrow-irrigated potatoes (Oregon).**  
Stranger, C.E. OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 77-84. (NAL Call No.: 100 OR3M).

0063

**Field evaluation of breeding lines and cultivars of sweetpotato for resistance to the sweetpotato weevil (Cylas formicarius).**  
Rolston, L.H. Barlow, T. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1979. v. 14 (5). p. 634-635. ill. 4 ref. (NAL Call No.: SB1.H6).

0064

**How to increase the potato crop by spraying.** F.H. Chittenden and W.A. Orton. -. Chittenden, F. H. Washington, D.C. : U.S. Dept. of Agriculture, 1920. 24 p. : ill. -. Bibliography: p. 23-24. (NAL Call No.: DNAL Fiche S-70 no.868 1920).

0065

**Impact of repeated nitrogen dioxide exposures on composition and yield of potato foliage and tubers (Total glycoalkaloid status, phytotoxicity).**  
Pawloski Sinn, J. Pell, E.J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 481-484. Includes 28 references. (NAL Call No.: 81 S012).

## (PLANT PRODUCTION - HORTICULTURAL CROPS)

0066

**Increasing the potato crop by spraying F.H. Chittenden and W.A. Orton . -.**  
Chittenden, F. H. Washington, D.C. : U.S. Dept. of Agriculture, 1923. 22 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1349).

0067

**The influence of weather on the response of potato cultivars to metribuzin (Herbicide).**  
Freeman, J.A. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Mar 1982. v. 107 (2). p. 189-194. Includes 11 ref. (NAL Call No.: 81 S012).

0068

**Influences of the Rhizoctonia (solani) disease on production of the Russet Burbank potato (Yield and size differences).**  
Davis, J.R. Groskopp, M.D. Orono, Me. American potato journal. May 1979. v. 56 (5). p. 253-264. ill. 13 ref. (NAL Call No.: 75.8 P842).

0069

**Jemseg: a new, early high-yielding potato variety with high resistance to virus Y and immune to virus X.**  
Young, D.A. Davies, H.T. Orono, Me., Potato Association of America. American potato journal. July 1979. v. 56 (7). p. 325-328. ill. (NAL Call No.: 75.8 P842).

0070

**Long Island's agriculture, a brief description.**  
Baker, B. Ithaca, N.Y. : The Station. A.E. Res. - New York State College of Agriculture and Life Sciences, Department of Agricultural Economics, Cornell University, Agricultural Experiment Station. July 1986. (86-17). 27 p. maps. Includes 36 references. (NAL Call No.: DNAL 281.9 C81A).

0071

**Managing potato production for optimal plant health.**  
PLDRA. Rowe, R.C. St. Paul, Minn. : American Phytopathological Society. Plant disease. Apr 1986. v. 70 (4). p. 354-356. (NAL Call No.: DNAL 1.9 P69P).

0072

**Natural diffused light, a practical alternative to controlled atmosphere storage of potato seed tubers.**  
Booth, R.H. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, . Summer 1985. (fiche no. 85-4029). 8 p. Includes references. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0073

**Observations on field performance of tissue cultured transplants in central Oregon.**  
OASPA. Mosley, A.R. Perrigan, S.C. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. July 1985. (747). p. 42-45. (NAL Call No.: DNAL 100 OR3M).

0074

**Pathogen-free plants by meristem-tip culture (particularly for potato seed stocks).**  
Slack, S.A. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 14-17. ill. 5 ref. (NAL Call No.: 1.9 P69P).

0075

**Pesticide use on fall potatoes in the United States, 1979 /by John R. Parks. -.**  
Parks, John R. 1908. Washington, D.C. : Natural Resource Economics Division, Economic Research Service, U.S. Dept. of Agriculture, 1983: "January 1983.". iii, 33 p. : map ; 28 cm. Bibliography: p. 28. (NAL Call No.: DNAL aSB211.P8P3).

0076

**Pittsburgh paint and glass herbicide and growth regulator trial in furrow irrigated potatoes.**  
OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 84-89. (NAL Call No.: DNAL 100 OR3M).

0077

**Potato growing in Alaska.**  
Dearborn, C.H. Fairbanks : The Services. Publication - University of Alaska, Cooperative Extension Service, Division of Statewide Services. July 1984. (A-00246). 24 p. ill. Includes references. (NAL Call No.: DNAL 275.29)



AL13P).

0078

**Potato production in the Northeast a guide to integrated pest management /editors Craig S. Hollingsworth, David N. Ferro, William M. Coli ; Massachusetts Cooperative Extension . -** Hollingsworth, Craig S.; Ferro, David N.; Coli, William M. Amherst, Mass. : University of Massachusetts, 1986? . "Cooperative Extension, University of Massachusetts, United States Department of Agriculture and County Extension Services cooperating."--Cover.~ "C-178."--Cover. 93 p. : ill. (some col.) ; 28 cm. Includes bibliographies. (NAL Call No.: DNAL SB608.P8P673).

0079

**Potato protection in the far western states by William Stuart . -** Stuart, William. Washington, D.C. : U.S. Dept. of Agriculture, 1930. ii, 17 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1639).

0080

**Potato research highlights (Culture, varieties, diseases and pests).** Nagaich, B.B. Singh, A.K. New Delhi, Indian Council of Agricultural Research. Indian horticulture. July/Sept 1978. v. 23 (2). p. 21-24. ill. (NAL Call No.: 80 IN23).

0081

**Potato vine kill: pulling, chemical killing and rolling effects on yield and quality of Russet Burbank.** APQJA. Halderson, J.L. Haderlie, L.C.; Corsini, D.L. Orono, Me. : Potato Association of America. American potato journal. June 1985. v. 62 (6). p. 281-288. Includes 20 references. (NAL Call No.: DNAL 75.8 P842).

0082

**Potato vine killing.** Haderlie, L.C. Halderson, J.L.; Corsini, D.L.; Bwelle, R.B. Moscow, Idaho : The Service. Current information series - Cooperative Extension Service, University of Idaho. Oct 1985. (759). 4 p. ill. (NAL Call No.: DNAL 275.29 ID13IDC).

0083

**Potatoes--chemical recommendations (Weed, insect, and disease control, fertilizers, harvest aids).** Binning, L.K. WI. Liegel, E.A.; Schulte, E.E.; Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension.Wisconsin. University. Cooperative Extension Programs. Jan 1980. Jan 1980. (A2352). 5 p. ill. (NAL Call No.: S544.3.W6W53).

0084

**Potatoes, potatoes /by Anita Lobel. -** Lobel, Anita. New York : Harper & Row, 1967 . Abstract: War and peace are the underlying themes of this warm, beautifully illustrated story about an old woman who had a potato farm and two sons. Though she tried to protect her sons and convince them not to join the war that had begun, she could not stop them and they ended up leading the opposing sides. One night when the fame and glory of fighting had worn off and both sides were hungry and tired, the sons remembered their mother and the farm, returned home and destroyed the farm fighting for the potatoes. Their wise mother refused to give them as much as a potato peel until they laid down their swords and abandoned the war effort. The grateful sons and the rest of the soldiers agreed. ate until they were full, and happily returned home to their own mothers with new found appreciation and love. (aj). 40 p. col. ill. ; 22 x 26 cm. (NAL Call No.: DNAL jPZ7.L62Po).

0085

**Refrigerated storage influence on sweet potato transplant viability and root yield.** HJHSA. Hammett, L.K. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1985. v. 20 (2). p. 198-200. ill. Includes 2 references. (NAL Call No.: DNAL SB1.H6).

0086

**Response of potato (Solanum tuberosum) cultivars to metribuzin (Reduced yields, Canada).** Friesen, G.H. Wall, D.A. Champaign, Ill. : Weed Science Society of America. Weed science. July 1984. v. 32 (4). p. 442-444. Includes 18 references. (NAL Call No.: 79.8 W41).

0087

**Sweetpotatoes--buried treasure (Includes fungal diseases).** Bouwkamp, J.C. Washington. The yearbook of agriculture United States Dept. of Agriculture. 1977. 1977. p. 212-216. ill. (NAL Call No.: 1 AG84Y).

## (PLANT PRODUCTION - HORTICULTURAL CROPS)

0088

916762(AGE)).

**The use of additives, temperature, and plant position to increase efficacy of dinoseb for potato (*Solanum tuberosum*) vine desiccation (Chemical harvest aids dinoseb and endothall).**  
Mutch, D.R. Penner, D.; Roggenbuck, F.; Chase, R.W. Orono, Me. : Potato Association of America. American potato journal. Sept 1984. v. 61 (9). p. 577-586. Includes 6 references. (NAL Call No.: 75.8 P842).

0093

**Potato harvesting machines: How good are they? (Harvesting losses). DUTCH.**  
Andringa, J.T. Wageningen, Stichting Mechanisatie-Centrum. Landbouwmecanisatie. Aug 1978. v. 29 (8). p. 855-858. ill. (NAL Call No.: 58.8 L2352).

0089

**Use of oxamyl for the control of the nematodes in yam (*Dioscorea rotundata* Poir).**  
JAUPA. Roman, J. Oramas, D.; Green J. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Oct 1984. v. 68 (4). p. 383-386. Includes 8 references. (NAL Call No.: DNAL 8 P832U).

0090

**Utilization of locally grown "seed" for fall potato production in north Florida.**  
Shumaker, J.R. Weingartner, D.P. S.1. : The Society. Proceedings - Soil and Crop Science Society of Florida. 1986. v. 45. p. 135-138. Includes references. (NAL Call No.: DNAL 56.9 S032).

0091

**1977-1978 potato vine desiccation results--upstate New York (Chemical harvest aids).**  
Sieczka, J.B. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 222-228. ill. (NAL Call No.: 79.9 N814).

0092

**1979 fall potato pesticide use in the Western Region.**  
Parks, J.R. Washington, D.C., The Service. Abstract: An estimated 8.8 million pounds (active ingredient) of pesticides were used in fall potato production to control weeds, diseases, insects, and nematodes. Chemicals were also used to kill potato vines before harvest and to control the growth of sprouts on tubers in storage. More land area was treated with insecticides than any other category of pesticides. Of the 542,000 acres planted to potatoes in the Western region, 93 percent were treated with an insecticide, and about 2 million acre-treatments were made with all pesticides, 4.3 pounds (a.i.) applied per acre-treatment. ERS staff report - United States Dept. of Agriculture, Economic Research Service. Jan 1982. Available from NTIS. Jan 1982. (AGES820108). 23 p. 6 ref. (NAL Call No.:

# PLANT PRODUCTION – FIELD CROPS

0094

Dont park your aircraft just yet: Harvest aid season lies ahead (Harvest aid chemical defoliant or desiccant, cotton, soybeans, sunflowers, potatoes, Gossypium, Glycine max, Helianthus, Solanum).

Sewell, W.D. Washington : National Agricultural Aviation Association. Agricultural aviation : the world of agricultural aviation. Aug 1983. v. 10 (8). p. 14-15. (NAL Call No.: S494.5.A3W3).

0095

The utilization of residual nutrients in fallow vegetable fields for the production of root phytomass in west central Florida.

Csizinszky, A.A. S.l. : The Society. Proceedings - Soil and Crop Science Society of Florida. 1985. v. 44. p.122-126. Includes references. (NAL Call No.: DNAL 56.9 S032).



# PLANT BREEDING

0096

**Characterization of somaclonal variations in potato: a biochemical approach.**

Ball, S.G. Seilleur, P. Hingham, Mass. : Martinus Nijhoff Publishers. Advances in agricultural biotechnology. 1986. (20). p. 229-235. ill. Includes references. (NAL Call No.: DNAL S494.5.B563A39).

0097

**Control of tuber protein synthesis in potato.**

Lee, L. Hannapel, D.; Mignery, G.; Shumway, J.; Park, W. New York : Alan R. Liss. Cellular and molecular biology of plant stress. Paper presented at the "Symposium on Plant Molecular Biology," April 16-22, 1983, Keystone, Colorado. 1983. v. 12. p. 355-365. ill. Includes 11 references. (NAL Call No.: DNAL QH506.U34).

0098

**Edovum puttleri (Hymenoptera: Eulophidae), an exotic egg parasitoid of the Colorado potato beetle (Coleoptera: Chrysomelidae): responses to temperate zone conditions and resistant potato plants.**

EVETEX. Obrycki, J.J. Tauber, M.J.; Tauber, C.A.; Gollands, B. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1985. v. 14 (1). p. 48-54. Includes references. (NAL Call No.: DNAL QL461.E532).

0099

**General and specific combining ability of potato parents for resistance to the white potato cyst nematode (*Globodera pallida*).**

Phillips, M.S. Wilson, L.A. Cambridge. Journal of agricultural science. Feb 1979. v. 92 (pt.1). p. 255-256. ill. 4 ref. (NAL Call No.: 10 J822).

0100

**Genetic and environmental control of potato glycoalkaloids.**

Sinden, S.L. Sanford, L.L.; Webb, R.E. Orono, Me. : Potato Association of America. American potato journal. Mar 1984. Literature review. v. 61 (3). p. 141-156. Includes references. (NAL Call No.: 75.8 P842).

0101

**Influence of potato persistence, foliar biomass, and foliar nitrogen on abundance of *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae).**

EVETEX. Jansson, R.K. Smilowitz, Z. College Park, Md. : Entomological Society of America.

Environmental entomology. June 1986. v. 15 (3). p. 726-732. Includes references. (NAL Call No.: DNAL QL461.E532).

0102

**Inheritance of potato tuber fusarium dry rot resistance.**

Corsini, D. Pavsek, J. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1979. Aug 1979. . 69 (8). p. 914-915. (NAL Call No.: 464.8 P56).

0103

**Methods for estimating damage and evaluating the reaction of selected peanut cultivars to the potato leafhopper, *Empoasca fabae* (Homoptera: Cicadellidae).**

JEENAI. Smith, J.W. Jr. Sams, R.L.; Agnew, C.W.; Simpson, C.E. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1985. v. 78 (5). p. 1059-1062. Includes references. (NAL Call No.: DNAL 421 J822).

0104

**Partial dominance of resistance to potato virus Y in *Capsicum* (Pepper, breeding).**

Shifriss, C. Marco, S. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 57-59. ill. 10 ref. (NAL Call No.: 1.9 P69P).

0105

**Potato freezing injury and survival, and their relationships to other stress (Breeding for resistance).**

Li, P.H. Toivio-Kinnucan, M.; Chen, H.H.; Palta, J.P. Orono, Me., Potato Association of America. American potato journal. Jan 1981. v. 58 (1). p. 15-29. ill. 47 ref. (NAL Call No.: 75.8 P842).

0106

**Potential for plant resistance and biological control to manage insect pests (Potato).**

Tingey, W.M. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 473-476. Includes 55 ref. (NAL Call No.: SB951.I5 1979).

0107

**Reaction of twelve sweetpotato cultivars and breeding lines to two root-knot species (*Meloidogyne incognita*, *Meloidogyne javanica*, nematodes) with three experimental methods (Resistance).**

Bonsi, C.K. Phillips, B.R. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. Aug 1979. v. 14 (4). p. 539-541. ill. 15 ref. (NAL Call No.: SB1.H6).

0108

**Reactions of sweet potato selections to fusarium root and stem canker caused by *Fusarium solani*.**

PLDRA. Clark, C.A. Randle, W.M.; Pace, C.S. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1986. v. 70 (9). p. 869-871. Includes 10 references. (NAL Call No.: DNAL 1.9 P69P).

0109

**Root growth of susceptible and resistant potato cultivars and population dynamics of *Globodera rostochiensis* in the field.**

JONEB. Rawsthorne, D. Brodie, B.B. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Oct 1986. v. 18 (4). p. 501-504. Includes references. (NAL Call No.: DNAL QL391.N4J62).

0110

**Selection for resistance to potato leafhopper (*Empoasca fabae*) in potatoes. II. Progress after two cycles of phenotypic recurrent selection.**

Sanford, L.L. Ladd, T.L. Orono, Me., Potato Association of America. American potato journal. Nov 1979. v. 56 (11). p. 541-547. ill. 8 ref. (NAL Call No.: 75.8 P842).

0111

**Strain identification and cross-protection of potato virus Y affecting tobacco in Chile.**

PLDRA. Latorre, B.A. Flores, V. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1985. v. 69 (11). p. 930-932. Includes 21 references. (NAL Call No.: DNAL 1.9 P69P).

0112

**Successful hybridization of non-tuberous *Solanum etuberosum* Lind. and tuber-bearing *Solanum pinnatisectum* Dun. (Potato breeding for frost, leafroll and Y-virus resistance).**

Hermesen, J.G.T. Taylor, L.M. Wageningen, Netherlands Study Circle of Plant Breeding. Euphytica. Feb 1979. v. 28 (1). p. 1-7. ill. 13

ref. (NAL Call No.: 450 EU6).

0113

**W-71, W-115, W-119, W-125, W-149, and W-154 sweetpotato germplasm with multiple insect and disease resistances.**

Jones, A. Dukes, P.D.; Schalk, J.M.; Mullen, M.A.; Hamilton, M.G.; Paterson, D.R.; Boswell, T.E. Alexandria, Va., American Society for Horticultural Science. HortScience. Dec 1980. v. 15 (6). p. 835-836. 4 ref. (NAL Call No.: SB1.H6).

0114

**Official variety of potato virus Y resistant flue-cured tobacco varieties, F 108 and F 109.**

Yamamoto, Y. Ono, K. Iwata, Iwata Tabako Shikenjo. Iwata Tabako Shikenjo hokoku. Bulletin of the Iwata Tobacco Experiment Station. Iwata Tabako Shikenjo. Mar 1978. Mar 1978. (11). p. 123-132. ill. 2 ref. (NAL Call No.: SB278.U3I9).

0115

**Potato breeding for resistance to virus diseases in the Polish People's Republic. UKRAINIAN.**

Osypchuk, A.A. Zhuk, V.IU. Kyiv. Visnyk sil's'kohospodars'koi nauky. Feb 1978. Feb 1978. (2). p. 114-115. (NAL Call No.: 20 V82).

# PLANT STRUCTURE

0116

**Biochemical response and its control in the Irish potato tuber (*Solanum tuberosum*)-*Phytophthora infestans* interaction / by Jerry Lee Varns.**

Varns, Jerry Lee, 1942. 1970. Thesis (Ph.D.)--Purdue University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xii, 148 leaves ; 21 cm. Bibliography: leaves 142-147. (NAL Call No.: DISS 71-2,702).

0117

**Calcium deficiency and plant ultrastructure (Potato sprouts).**

Hecht-Buchholz, C. New York, Dekker. Communications in soil science and plant analysis. 1979. v. 10 (1/2). p. 67-81. ill. 17 ref. (NAL Call No.: S590.C63).

0118

**Ultrastructure of (the potato cultivar) *Solanum tuberosum* var. Katahdin infected with *Phytophthora infestans*.**

Jones, S.B. Kurantz, M.J. Baton Rouge, Claitor's Publishing Division. Proceedings - Annual meeting. Electron Microscopy Society of America. 1979. 1979. (37th). p. 336-337. ill. 2 ref. (NAL Call No.: QH201.E4).



# PLANT NUTRITION

0119

Barley, potato and brome grass chemical composition unchanged by use of a multipurpose wetting agent (The active ingredients of which are alcohol ethoxylates, propylene glycol, and dimethylpolysiloxane, fertilizer, uptake). Laughlin, W.M. AK-AR-NC. Smith, G.R.; Peters, M.A. Fairbanks, The Station. Agroborealis. Alaska. Agricultural Experiment Station, Fairbanks. Jan 1980. v. 12 (1). p. 29-30. ill. 7 ref. (NAL Call No.: S33.E2).

0120

Effects of controlled atmospheres on production of sesquiterpenoid stress metabolites by (stored) white potato tuber. Possible involvement of cyanide-resistant respiration (Phytophthora infestans, phytoalexins). Alves, L.M. Heisler, E.G. Bethesda, American Society of Plant Physiologists. Plant physiology. Feb 1979. v. 63 (2). p. 359-362. ill. 35 ref. (NAL Call No.: 450 P692).

0121

Enhancement of polyribosome formation and RNA synthesis of gibberellic acid in wounded potato tuber tissue. Wielgat, B. Kahl, G. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Nov 1979. v. 64 (5). p. 863-866. ill. 42 ref. (NAL Call No.: 450 P692).

0122

Fertilization and weed control in potatoes (Research projects, Maine). Murphy, H.J. MAMRA. Morrow, L.S. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. (278). p. 13-15. (NAL Call No.: 100 M28M).

0123

Gibberellic acid activates chromatin-bound DNA-dependent RNA polymerase in wounded potato tuber tissue. Wielgat, B. Kahl, G. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Nov 1979. v. 64 (5). p. 867-871. ill. 27 ref. (NAL Call No.: 450 P692).

0124

Glycoalkaloids and resistance to the Colorado potato beetle (Leptinotarsa decemlineata) in Solanum chacoense Bitt. Sinden, S.L. Sanford, L.L. Orono, Me., Potato Association of America. American potato journal. Oct 1979. v. 56 (10). p. 479-480. ill. (NAL Call No.: 75.8 P842).

0125

Healthier seed potatoes. II. Effects of sprouting and benomyl treatment of stem cutting and commercial stocks on growth, yield and disease (Cultivars). Hide, G.A. Bell, F. London. Annals of applied biology. Dec 1978. v. 90 (3). p. 427-436. ill. 9 ref. (NAL Call No.: 442.8 AN72).

0126

Inhibition of Solanum pollen germination in vitro by the phytoalexin rishitin (extracted from potato tubers inoculated with Erwinia carotovora atroseptica). Hodgkin, T. Lyon, G.D. London, Academic Press. Annals of botany. Aug 1979. v. 44 (2). p. 253-255. ill., plate. 20 ref. (NAL Call No.: 450 AN7).

0127

Isolation and identification of volatiles in the foliage of potato, Solanum tuberosum, a host plant of the Colorado beetle, Leptinotarsa decemlineata. Visser, J.H. Straten, S. van. New York, Plenum Pub. Corp. Journal of chemical ecology. Jan 1979. v. 5 (1). p. 13-25. ill. Bibliography p. 23-25. (NAL Call No.: QD415.A1J6).

0128

Mechanism of action of a wound-induced omega-hydroxyfatty acid:NADP oxidoreductase isolated from potato tubers (Solanum tuberosum L.). Agrawal, V.P. Kolattukudy, P.E. New York, Academic Press. Archives of biochemistry and biophysics. Dec 1978. v. 191 (2). p. 466-478. ill. 31 ref. (NAL Call No.: 381 AR2).

0129

Potential for phosphorus toxicity in zinc-stressed corn and potato (Nutrient uptake). Christensen, N.W. Jackson, T.L. Madison, Wis., The Society. Soil Science Society of America journal. Sept/Oct 1981. v. 45 (5). p. 904-909. ill. 12 ref. (NAL Call No.: 56.9 S03).

0130

Purification and characterization of a wound-induced omega-hydroxyfatty acid:NADP oxidoreductase from potato tuber disks (Solanum tuberosum L.). Agrawal, V.P. Kolattukudy, P.E. New York, Academic Press. Archives of biochemistry and biophysics. Dec 1978. v. 191 (2). p. 452-465. ill. 26 ref. (NAL Call No.: 381 AR2).

## (PLANT NUTRITION)

0131

**Response of sweetpotato cultivars to ethylene  
(Eating quality, growth regulators).**

Buescher, R.W. Fayetteville, Arkansas  
Agricultural Experiment Station. Arkansas farm  
research. Jan/Feb 1979. v. 28 (1). p. 10. ill.  
(NAL Call No.: 100 AR42F).

0132

**A semi-micro method for the quantitation of  
sesquiterpenoid stress metabolites in potato  
tuber tissue (Phytoalexins, Phytophthora  
infestans).**

Henfling, J.W.D.M. Kuc, J. St. Paul, American  
Phytopathological Society. Phytopathology. June  
1979. v. 69 (6). p. 609-612. ill. 14 ref. (NAL  
Call No.: 464.8 P56).

0133

**Some effects of (soil fumigant) Dazomet on  
O-diphenoloxidase activity in homogenates of  
Solanum tuberosum (Potatoes).**

Vaughan, D. Ord, B.G. London, Academic Press.  
New phytologist. Sept 1979. v. 83 (2). p.  
361-364. ill. 7 ref. (NAL Call No.: 450 N42).

0134

**Structure of potato carboxypeptidase inhibitor;  
disulfide pairing and exposure of aromatic  
residues.**

leary, T.R. Grahn, D.T. Easton, American  
Chemical Society. Biochemistry. May 29, 1979.  
v. 18 (11). p. 2252-2256. ill. 21 ref. (NAL  
Call No.: 381 B523).

0135

**The utilization of residual nutrients in fallow  
vegetable fields for the production of root  
phytomass in west central Florida.**

Csizinszky, A.A. S.l. : The Society.  
Proceedings - Soil and Crop Science Society of  
Florida. 1985. v. 44. p.122-126. Includes  
references. (NAL Call No.: DNAL 56.9 S032).

0136

**Water loss from potato tuber discs: a method  
for assessing wound healing.**

Jarvis, M.C. Duncan, H.J. Wageningen, European  
Association for Potato Research. Potato  
research. Mar 1979. v. 22 (1). p. 69-73. ill. 6  
ref. (NAL Call No.: 75.8 EU7).

# PLANT PHYSIOLOGY AND BIOCHEMISTRY

0137

**Barley, potato and bromegrass chemical composition unchanged by use of a multipurpose wetting agent** (The active ingredients of which are alcohol ethoxylates, propylene glycol, and dimethylpolysiloxane, fertilizer, uptake). Laughlin, W.M. AK-AR-NC. Smith, G.R.; Peters, M.A. Fairbanks, The Station. Agroborealis. Alaska. Agricultural Experiment Station, Fairbanks. Jan 1980. v. 12 (1). p. 29-30. ill. 7 ref. (NAL Call No.: S33.E2).

0138

**A biochemical and ultrastructural study of protein storage in leaf tissue of tomato and potato / by John Michael Rancour.** Rancour, John Michael, 1943. 1970. Thesis--Washington State University. Photocopy of typescript. Ann Arbor: University Microfilms, 1971. xiii, 82 leaves. Bibliography: leaves 80-82. (NAL Call No.: DISS 70-24,997).

0139

**Biochemical changes in storage of potato treated with cetyl alcohol and sodium fluoride.** Panda, J.M. Mohanty, C.R. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1981. v. 16 (4). p. 540-541. 8 ref. (NAL Call No.: SB1.H6).

0140

**Components of oil of tansy (*Tanacetum vulgare*) that repel Colorado potato beetles (*Leptinotarsa decemlineata*).** JNPRDF. Schearer, W.R. Cincinnati, Ohio : American Society of Pharmacognosy. Journal of natural products. Nov/Dec 1984. v. 47 (6). p. 964-969. Includes 22 references. (NAL Call No.: DNAL 442.8 L77).

0141

**The control of malate dehydrogenase activity by adenine nucleotides in purified potato tuber (*Solanum tuberosum* L.) mitochondria.** ABBIA. Rustin, P. Valat, M. New York, N.Y. : Academic Press. Archives of biochemistry and biophysics. May 15, 1986. v. 247 (1). p. 62-67. Includes 22 references. (NAL Call No.: DNAL 381 AR2).

0142

**Control of tuber protein synthesis in potato.** Lee, L. Hannapel, D.; Mignery, G.; Shumway, J.; Park, W. New York : Alan R. Liss. Cellular and molecular biology of plant stress. Paper presented at the "Symposium on Plant Molecular Biology," April 16-22, 1983, Keystone,

Colorado. 1983. v. 12. p. 355-365. ill. Includes 11 references. (NAL Call No.: DNAL QH506.U34).

0143

**Determination of chlorogenic acid in potato tubers.** JAFCAU. Maimberg, A.G. Theander, O. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. May/June 1985. v. 33 (3). p. 549-551. ill. Includes references. (NAL Call No.: DNAL 381 J8223).

0144

**Diosgenin and yamogenin from *Dioscorea multiflora*.** JNPRDF. Da Costa, F.F. Mukherjee, R. Cincinnati, Ohio : American Society of Pharmacognosy. Journal of natural products. Sept/Oct 1984. v. 47 (5). p. 909-910. Includes 6 references. (NAL Call No.: DNAL 442.8 L77).

0145

**Effect of sprout inhibitor isopropyl N-(3-chlorophenyl)carbamate (CIPC) on phenolic and ascorbic acid content of potatoes.** JAFCAU. Ponnampalam, R. Mondy, N.I. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1986. v. 34 (2). p. 262-263. Includes references. (NAL Call No.: DNAL 381 J8223).

0146

**Elements in major raw agricultural crops in the United States. 1. Cadmium and lead in lettuce, peanuts, potatoes, soybeans, sweet corn, and wheat.** Wolnik, K.A. JAFCA. Fricke, F.L.; Capar, S.G.; Braude, G.L.; Meyer, M.W. Washington : American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1983. v. 31 (6). p. 1240-1244. maps. Includes references. (NAL Call No.: 381 J8223).

0147

**Evaluation of new and traditional fungicides for control of late and early blight diseases in northeastern Florida potatoes.** Weingartner, D.P. S.I. : The Society. Proceedings - Soil and Crop Science Society of Florida. 1984. v. 43. p. 150-152. (NAL Call No.: DNAL 56.9 S032).



0148

**A forced-air system for controlling soil temperatures in plastic pots (Cooling, potato tubers).**

Koller, D.C. Hiller, L.K.; Van Denburgh, R.W. Alexandria, Va., American Society for Horticultural Science. HortScience. Apr 1980. v. 15 (2). p. 189-190. ill. 3 ref. (NAL Call No.: SB1.H6).

0149

**Hormonal regulation of protein synthesis associated with salt tolerance in plant cells.**

PNASA. Singh, N.K. LaRosa, P.C.; Handa, A.K.; Hasegawa, P.M.; Bressan, R.A. Washington, D.C. : The Academy. Proceedings of the National Academy of Sciences of the United States of America. Feb 1987. v. 84 (3). p. 739-743. ill. Includes references. (NAL Call No.: DNAL 500 N21P).

0150

**Impact of repeated nitrogen dioxide exposures on composition and yield of potato foliage and tubers (Total glycoalkaloid status, phytotoxicity).**

Pawloski Sinn, J. Pell, E.J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 481-484. Includes 28 references. (NAL Call No.: 81 S012).

0151

**Influence of vine senescence and storage on wound healing of Russet Burbank tubers' (Potatoes).**

Braue, C.A. Wample, R.L.; Kolattukudy, P.E.; Thornton, R.; Dean, B.B. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 475-484. ill. Includes 19 references. (NAL Call No.: 75.8 P842).

0152

**Leptine glycoalkaloids and resistance to the Colorado potato beetle (Coleoptera: Chrysomelidae) in Solanum chacoense.**

EVETEX. Sinden, S.L. Sanford, L.L.; Cantelo, W.W.; Deahl, K.L. College Park, Md. : Entomological Society of America. Environmental entomology. Oct 1986. v. 15 (5). p. 1057-1062. Includes references. (NAL Call No.: DNAL QL461.E532).

0153

**Naturally occurring toxic alkaloids in foods (Potato, Solanum tuberosum).**

Jadhav, S.J. Sharma, R.P.; Salunkhe, D.K. Boca Raton, Fla., CRC Press. CRC critical reviews in toxicology. 1981. Literature review. v. 9 (1). p. 21-104. ill. Includes 497 ref. (NAL Call No.: RA1211.A1C7).

0154

**Potato leafhopper (Homoptera: Cicadellidae) feeding damage at various potato growth stages.**

JEENAI. Walgenbach, J.F. Wyman, J.A. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1985. v. 78 (3). p. 671-675. ill. Includes references. (NAL Call No.: DNAL 421 J822).

0155

**Starch phosphorylase inhibitor from sweet potato.**

PLPHA. Chang, T.C. Su, J.C. Rockville, Md. : American Society of Plant Physiologists. Plant physiology. Feb 1986. v. 80 (2). p. 534-538. ill. Includes 25 references. (NAL Call No.: DNAL 450 P692).

0156

**A study of growth substances and other chemicals during dormancy and sprouting of potato tubers (Solanum tuberosum L. cv. Russet Rural / by Dickson D. Redd-Bonwiendyu.**

Redd-Bonwiendyu, Dickson D., 1939. Ann Arbor, Mich. University Microfilms International 1980. Thesis--West Virginia University, 1976. Facsimile produced by microfilm-xerography. viii, 117 leaves. Bibliography: leaves 100-109. (NAL Call No.: DISS 77-12,323).

# PROTECTION OF PLANTS

0157

**Amend the Golden nematode act, and relief of Batavia Turf Farms, inc.**  
United States ~ Congress ~ House ~ Committee on Agriculture ~ Subcommittee on Department Investigations, Oversight, and Research. Washington U.S. Govt. Print. Off. 1978. iii, 73 p. ; 24 cm. (NAL Call No.: KF27.A33265 1978d).

0158

**Beryllium (environmental pollutant) effects on potatoes and oats in acid soil (Toxicity).**  
Bohn, H. Seekamp, G. Dordrecht, Holland, D. Reidel Pub. Co. Water, air, and soil pollution. Apr 1979. v. 11 (3). p. 319-322. ill. 6 ref. (NAL Call No.: TD172.W36).

0159

**Calcium deficiency and plant ultrastructure (Potato sprouts).**  
Hecht-Buchholz, C. New York, Dekker. Communications in soil science and plant analysis. 1979. v. 10 (1/2). p. 67-81. ill. 17 ref. (NAL Call No.: S590.C63).

0160

**Chemical recommendations in commercial potato production (Weed, insect, and disease control).**  
Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Jan 1983. Jan 1983. (2352). 6 p. (NAL Call No.: S544.3.W6W53).

0161

**Chemical recommendations in commercial potato production (Weed, insect, and disease control).**  
Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. Feb 1982. Feb 1982. (A2352). 6 p. (NAL Call No.: S544.3.W6W53).

0162

**Comparison of different methods in assaying the efficacy of soil disinfection against Globodera spp. (cyst nematodes) in potato.**  
Bunt, J.A. Eck, A.G. van. Gent. Mededelingen Rijksfaculteit Landbouwwetenschappen. 1978. v. 43 (2,pt.1). p. 727-737. ill. 15 ref. (NAL Call No.: 105.1 G344).

0163

**Cool temperature induction of brown center in 'Russet Burbank' potatoes (Hollow heart, physiological disorder).**  
Van Denburgh, R.W. Hiller, L.K. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. June 1979. v. 14 (3,sect.1). p. 259-260. ill. 12 ref. (NAL Call No.: SB1.H6).

0164

**Costs and benefits of the Steuben County potato IPM program /Martin Meltzer. -.**  
Meltzer, Martin. Ithaca, N.Y. : Dept. of Agricultural Economics, Cornell University Agricultural Experiment Station, New York State College of Agriculture and Life Sciences, 1984. Cover title. ~ "December 1984.". 22 p. : ill. ; 28 cm. -. Bibliography: p. 18. (NAL Call No.: DNAL HD1407.C6 no.84-29).

0165

**Effect of gamma irradiation on peroxidase isoenzymes during suberization of wounded potato tubers.**  
Thomas, P. Delincee, H. Oxford, Pergamon Press. Phytochemistry. 1979. v. 18 (6). p. 917-921. ill. 31 ref. (NAL Call No.: 450 P5622).

0166

**Effect of nonhost cultivars (alfalfa, barley, beans, onion, potatoes, wheat) on Heterodera schachtii population dynamics (Nematodes).**  
Griffin, G.D. Ames, Iowa, Society of Nematologists. Journal of nematology. Jan 1980. v. 12 (1). p. 53-57. ill. 12 ref. (NAL Call No.: QL391.N4J62).

0167

**Effects of daylength on the multiplication of potato cyst nematode (Globodera spp.) populations.**  
Franco, J. Evans, K. Leiden, E. J. Brill. Nematologica. May 1979. v. 25 (2). p. 184-190. ill. 11 ref. (NAL Call No.: 436.8 N342).

0168

**Effects of virus diseases and potato cyst nematode on yield and methods of control.**  
French, W.M. Cambridge, Eng., NIAB. Fellows conference report National Institute of Agricultural Botany. 1978. 1978. (2). p. 28-32. ill. (NAL Call No.: SB16.G5N3).



## (PROTECTION OF PLANTS)

0169

**Enhancement of polyribosome formation and RNA synthesis of gibberellic acid in wounded potato tuber tissue.**

Wielgat, B. Kahl, G. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Nov 1979. v. 64 (5). p. 863-866. ill. 42 ref. (NAL Call No.: 450 P692).

0170

**Ethylene (produced by microorganisms) in a compacted field soil and its effect on growth, tuber quality, and yield of potatoes (Inhibition).**

Campbell, R.B. Moreau, R.A. Orono, Me. American potato journal. Apr 1979. v. 56 (4). p. 199-210. ill. 11 ref. (NAL Call No.: 75.8 P842).

0171

**Evaluation of the United States potato collection for resistance to green peach aphid and potato aphid / Edward B. Radcliffe ... (et al.).**

Radcliffe, Edward B. St. Paul University of Minnesota, Agricultural Experiment Station 1981. Cover title. 43 p. ; 28 cm. -. Bibliography: p. 14-19. (NAL Call No.: 100 M66 (3) no.331).

0172

**General and specific combining ability of potato parents for resistance to the white potato cyst nematode (*Globodera pallida*).**

Phillips, M.S. Wilson, L.A. Cambridge. Journal of agricultural science. Feb 1979. v. 92 (pt.1). p. 255-256. ill. 4 ref. (NAL Call No.: 10 J822).

0173

**Gibberellic acid activates chromatin-bound DNA-dependent RNA polymerase in wounded potato tuber tissue.**

Wielgat, B. Kahl, G. Bethesda, Md., American Society of Plant Physiologists. Plant physiology. Nov 1979. v. 64 (5). p. 867-871. ill. 27 ref. (NAL Call No.: 450 P692).

0174

**The importance of potato varieties resistant to golden nematode (*Heterodera rostochiensis*) in the cooperative Federal-State Golden Nematode Program.**

Sand, P.F. Aphis, F. Orono, Me., Potato Association of America. American potato journal. Oct 1979. v. 56 (10). p. 478-479. (NAL Call No.: 75.8 P842).

0175

**Importance of soil temperature on the pathogenicity of *Meloidogyne hapla* on potato.**

Griffin, G.D. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1979. Aug 1979. . 69 (8). p. 916. (NAL Call No.: 464.8 P56).

0176

**Integrated plant protection for potatoes--concluding remarks.**

Umaerus, V. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 490-491. (NAL Call No.: SB951.I5 1979).

0177

**Interaction between *Meloidogyne hapla* (northern root-knot nematode) and *Verticillium albo-atrum* in the verticillium wilt disease of potato.**

Jacobsen, B.J. MacDonald, D.H. St. Paul, American Phytopathological Society. Phytopathology. Mar 1979. v. 69 (3). p. 288-292. ill. 20 ref. (NAL Call No.: 464.8 P56).

0178

**Internal response of resistant and susceptible potato clones to invasion by potato cyst nematode *Heterodera rostochiensis*.**

Hoopes, R.W. Anderson, R.E. Gainesville, Fla., Organization of Tropical American Nematologists. Nematropica. Apr 1978. v. 8 (1). p. 13-20. ill. 8 ref. (NAL Call No.: SB998.N4N4).

0179

**Mass selection for potato disease resistance in field grown seedlings.**

Martin, M.W. Orono, Me., Potato Association of America. American potato journal. Oct 1979. v. 56 (10). p. 472-473. (NAL Call No.: 75.8 P842).

0180

**Mating of British and Peruvian populations of potato cyst nematodes *Globodera* spp.**

Franco P, J. Evans, K. Gainesville, Fla., Organization of Tropical American Nematologists. Nematropica. Apr 1978. v. 8 (1). p. 5-9. ill. 14 ref. (NAL Call No.: SB998.N4N4).

0181

**Mechanism of action of a wound-induced omega-hydroxyfatty acid:NADP oxidoreductase isolated from potato tubers (*Solanum tuberosum* L.).**

Agrawal, V.P. Kolattukudy, P.E. New York, Academic Press. Archives of biochemistry and biophysics. Dec 1978. v. 191 (2). p. 466-478. ill. 31 ref. (NAL Call No.: 381 AR2).

0182

**Mole control (Pests of tulips, lilies, carrots, peas potatoes, corn, oats, wheat).**

Kuhn, L.W. Corvallis, Or., The Service. Extension circular. Oregon State University. Extension Service. Oct 1979. Oct 1979. (987). 4 p. ill. (NAL Call No.: 275.29 OR32C).

0183

**Observations on field performance of tissue cultured transplants in central Oregon.**

OASPA. Mosley, A.R. Perrigan, S.C. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. July 1985. (747). p. 42-45. (NAL Call No.: DNAL 100 OR3M).

0184

**Pathogen-free plants by meristem-tip culture (particularly for potato seed stocks).**

Slack, S.A. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 14-17. ill. 5 ref. (NAL Call No.: 1.9 P69P).

0185

**Potato bins need ventilation (Storage, rot diseases).**

Hardin, G.B. Washington, U. S. Agricultural Research Service. Agricultural research. Dec 1978. v. 27 (6). p. 15. (NAL Call No.: 1.98 AG84).

0186

**The potato cyst nematode (*Globodera rostochiensis*).**

Spiers, J.G.C. Lincoln, Dept. of Scientific and Industrial Research, Crop Research Division. Crop research news New Zealand. Dept. of Scientific and Industrial Research. Crop Research Division. Dec 1978. Dec 1978. (20). p. 20-22. (NAL Call No.: S385.A3N42).

0187

**Potato cyst nematodes (*Heterodera*) and chemical control (in Great Britain).**

Jones, J.M. Kelly, R. Suffolk, Bayer UK Ltd. Agrochem Division. Agrochem courier. 1979. v.23 (1). p. 6-7. ill. (NAL Call No.: SB818.B2).

0188

**Potato disease prevention and control.**

Conway, K.E. Sturgeon, R.V. Jr. Stillwater, Okla. : The Service. OSU extension facts - Cooperative Extension Service, Oklahoma State University. Jan 1982. (7169,repr.). 4 p. ill. (NAL Call No.: DNAL S544.3.0505).

0189

**Potato disease prevention and control (Mostly fungal diseases).**

Conway, K.E. Sturgeon, R.V. Jr. Stillwater. O.S.U. extension facts. Science serving agriculture Oklahoma State University. Cooperative Extension Service. May 1979. May 1979. (7169). 4 p. ill. (NAL Call No.: S544.3.0505).

0190

**Potato growing in Alaska.**

Dearborn, C.H. Fairbanks : The Services. Publication - University of Alaska, Cooperative Extension Service, Division of Statewide Services. July 1984. (A-00246). 24 p. ill. Includes references. (NAL Call No.: DNAL 275.29 AL13P).

0191

**Potato production in the Northeast a guide to integrated pest management /editors Craig S.**

Hollingsworth, David N. Ferro, William M. Coli ; Massachusetts Cooperative Extension . -. Hollingsworth, Craig S.; Ferro, David N.; Coli, William M. Amherst, Mass. : University of Massachusetts, 1986? . "Cooperative Extension, University of Massachusetts, United States Department of Agriculture and County Extension Services cooperating."--Cover.~ "C-178."--Cover. 93 p. : ill. (some col.) ; 28 cm. Includes bibliographies. (NAL Call No.: DNAL SB608.P8P673).

0192

**Potato stand problems (*Rhizoctonia solani*, blackleg bacteria, *Fusarium*).**

Batavia, N.Y. Ag impact. June 1979. v. 6 (6). p. 12. ill. (NAL Call No.: S544.3.N7A45).



## (PROTECTION OF PLANTS)

0193

**Potato tuber diseases: management before and after harvest.**

OSSBA. Rowe, R.C. Columbus : The Service. Bulletin - Ohio State University, Cooperative Extension Service. Feb 1986. (734). 19 p. ill. (NAL Call No.: DNAL 275.29 OH32).

0194

**Potatoes: chemical recommendations (Insect, weed, disease control, fertilizers).**

Binning, L.K. Liegel, E.A. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1979. Jan 1979. (A2352). 5 p. ill. (NAL Call No.: S544.3.W6W53).

0195

**The potential for integrated management of potato pests in developing countries (Latin America, Mid East, Africa).**

Franco, J. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 487-490. (NAL Call No.: SB951.I5 1979).

0196

**Problems in uniform seed potato certification inspection procedures.**

APQJA. Orono, Me. : Potato Association of America. American potato journal. July 1985. v. 62 (7). p. 376-386. Includes 12 references. (NAL Call No.: DNAL 75.8 P842).

0197

**Purification and characterization of a wound-induced omega-hydroxyfatty acid:NADP oxidoreductase from potato tuber disks (*Solanum tuberosum* L.).**

Agrawal, V.P. Kolattukudy, P.E. New York, Academic Press. Archives of biochemistry and biophysics. Dec 1978. v. 191 (2). p. 452-465. ill. 26 ref. (NAL Call No.: 381 AR2).

0198

**Reaction of twelve sweetpotato cultivars and breeding lines to two root-knot species (*Meloidogyne incognita*, *Meloidogyne javanica*, nematodes) with three experimental methods (Resistance).**

Bonsi, C.K. Phillips, B.R. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. Aug 1979. v. 14 (4). p. 539-541.

ill. 15 ref. (NAL Call No.: SB1.H6).

0199

**The relationship between tuber size and hollow heart in Norgold Russet potatoes.**

Nelson, D.C. Thoreson, M.C. Orono, Me., Potato Association of America. American potato journal. July 1979. v. 56 (7). p. 329-337. ill. 4 ref. (NAL Call No.: 75.8 P842).

0200

**Reniform nematode (*Rotylenchulus reniformis*) resistance in potato clones (and cultivars).**

Rebois, R.V. Webb, R.E. Orono, Me. American potato journal. June 1979. v. 56 (6). p. 313-319. ill. 19 ref. (NAL Call No.: 75.8 P842).

0201

**Residues of mancozeb, 2-imidazoline, and ethyleneurea in tomato and potato crops and field treatment with mancozeb.**

Newsome, W.H. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1979. v. 27 (6). p. 1185-1190. ill. 8 ref. (NAL Call No.: 381 J8223).

0202

**Response of four potato cultivars to (the herbicide) metribuzin time and rate of application (Degree of injury and yields).**

Ivany, J.A. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Apr 1979. v. 59 (2). p. 417-422. ill. 14 ref. (NAL Call No.: 450 C16).

0203

**Role of certification programs in integrated plant protection (Potato).**

Page, O.T. Bryan, J.E. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 471-473. (NAL Call No.: SB951.I5 1979).

0204

**Root lesion nematodes in potatoes (*Pratylenchus penetrans*, *Pratylenchus crenatus*, Prince Edward Island).**

Kimpinski, J. Orono, Me. American potato journal. Feb 1979. v. 56 (2). p. 79-86. ill. 31 ref. (NAL Call No.: 75.8 P842).

0205

**Root tissue reactions of sweet potato to the reniform nematode (*Rotylenchulus reniformis*).**  
Yik, C.P. Birchfield, W. St. Paul, American Phytopathological Society. *Phytopathology*. May 1979. v. 69 (5). p. 533. (NAL Call No.: 464.8 P56).

0206

**Root tissue reactions of sweetpotato to the reniform nematode (*Rotylenchulus reniformis*, abstract only).**  
Yik, C.P. Birchfield, W. St. Paul, American Phytopathological Society. *Phytopathology*. Jan 1979. v. 69 (1). p. 1A10. (NAL Call No.: 464.8 P56).

0207

**Sample size determination for seed potato certification.**  
APOJA. Lund, R.E. Sun, M.K.C. Orono, Me. : Potato Association of America. *American potato journal*. July 1985. v. 62 (7). p. 347-353. Includes 2 references. (NAL Call No.: DNAL 75.8 P842).

0208

**Screening for quantitative resistance to the white potato cyst nematode *Globodera pallida*.**  
Forrest, J.M.S. Holliday, J.M. London, The Association of Applied Biologists. *Annals of applied biology*. Apr 1979. v. 91 (3). p. 371-374. ill. 6 ref. (NAL Call No.: 442.8 AN72).

0209

**Some foreign potato maladies and domestic pests of potato in Alaska / by Curtis H. Dearborn.**  
Dearborn, Curtis H. (Fairbanks, Alaska) Agricultural Experiment Station, School of Agriculture and Land Resources Management, University of Alaska (1983). "April 1983. ~"In cooperation with Agricultural Research, Science and Education Administration, United States Department of Agriculture." viii, 56 p. : ill. (some col.) ; 22 cm. -. (NAL Call No.: 100 AL122B no.60).

0210

**SPUDCAST potato pest plan uses integrated management.**  
Smilowitz, Z. MacKenzie, D.R.; Nolan, E.S.; Lucas, B.S. University Park, Pa., The Station. Science in agriculture - Pennsylvania Agricultural Experiment Station. Winter 1981. v. 28 (2). p. 2-3. ill. (NAL Call No.: 100 P381S).

0211

**Successful hybridization of non-tuberous *Solanum etuberosum* Lind. and tuber-bearing *Solanum pinnatisectum* Dun. (Potato breeding for frost, leafroll and Y-virus resistance).**  
Hermesen, J.G.T. Taylor, L.M. Wageningen, Netherlands Study Circle of Plant Breeding. *Euphytica*. Feb 1979. v. 28 (1). p. 1-7. ill. 13 ref. (NAL Call No.: 450 EU6).

0212

**A technique to assess the efficacy of non-volatile nematicides against the potato cyst nematode *Globodera rostochiensis*.**  
Hague, N.G.M. London, Association of Applied Biologists. *Annals of applied biology*. Oct 1979. v. 93 (2). p. 205-211. ill. 6 ref. (NAL Call No.: 442.8 AN72).

0213

**Translucent-end of potatoes (Physiological disorders).**  
Kleinkopf, G.E. Moscow, Idaho, The Service. Current information series. Idaho. University. Cooperative Extension Service. Aug 1979. Aug 1979. (488). 4 p. ill. 2 ref. (NAL Call No.: 275.29 ID13IDC).

0214

**Treatment of cut seed pieces with fungicides to prevent decay, 1978-79 (*Solanum tuberosum* 'Kufri Chandramukhi'), cut seed piece decay).**  
Singh, R.S. Vishwakarma, S.N.; Singh, V.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 160. (NAL Call No.: 464.9 AM31R).

0215

**Varietal resistance to damage (Potatoes).**  
Bailey, M.J. Cambridge, Eng., NIAB. Fellows conference report National Institute of Agricultural Botany. 1978. 1978. (2). p. 39-42. ill. (NAL Call No.: SB16.G5N3).

0216

**W-71, W-115, W-119, W-125, W-149, and W-154 sweetpotato germplasm with multiple insect and disease resistances.**  
Jones, A. Dukes, P.D.; Schalk, J.M.; Mullen, M.A.; Hamilton, M.G.; Paterson, D.R.; Boswell, T.E. Alexandria, Va., American Society for Horticultural Science. *HortScience*. Dec 1980. v. 15 (6). p. 835-836. 4 ref. (NAL Call No.: SB1.H6).



## (PROTECTION OF PLANTS)

0217

**Water loss from potato tuber discs: a method for assessing wound healing.**

Jarvis, M.C. Duncan, H.J. Wageningen, European Association for Potato Research. Potato research. Mar 1979. v. 22 (1). p. 69-73. ill. 6 ref. (NAL Call No.: 75.8 EU7).

0218

**YALTOX--and an integrated control system for potato eelworm (*Globodera pallida* and *Globodera rostochiensis*).**

Kelly, J.R. Suffolk, Bayer UK ltd. Agrochem Division. Agrochem courier. 1979. v.23 (1). p. 10. ill. (NAL Call No.: SB818.B2).

0219

**Yield losses in barley, wheat and potatoes associated with field populations of 'large form' *Longidorus leptocephalus* (Nematodes, root injuries).**

Sykes, G.B. London. Annals of applied biology. Mar 1979. v. 91 (2). p. 237-241. ill. 10 ref. (NAL Call No.: 442.8 AN72).

0220

**1978 potato pest control guide for commercial growers in southern New England.**

Savos, M.G. Schroeder, D.B. Storrs, Conn., The Service. Bulletin. Connecticut. University. Cooperative Extension Service. Feb 1978. Feb 1978. (78-110). 8 p. ill. (NAL Call No.: 275.29 C76B).

0221

**Potato canker. RUSSIAN.**

Tarasova, Valentina Petrovna. Leningrad "Kolos", Leningradskoe otd-nie 1978. 69, (2) p. : ill. -. Bibliography: p. 71. (NAL Call No.: SB608.P8T373).

0222

**Potato cyst nematode (*Globodera rostochiensis*, *Globodera pallida*).**

Munkeby, O. Oslo, Det Avdeling. Smaskrift. Norway. Landbruksdepartementet. Opplysningstjenesten. 1979. 1979. (2). 6 p. ill. (NAL Call No.: 464.4 N83).

0223

**Potato diseases in Kamchatka. RUSSIAN.**

Ryzhenko, S.N. Moskva, Izdatel'stvo "Kolos". Zashchita rastenii. Aug 1978. Aug 1978. (8). p. 19-20. ill. (NAL Call No.: 421 Z1).

0224

**Potato diseases in Peru. SPANISH.**

Estacion Experimental Agricola de la Molina. French, Eduardo R. La Molina Oficina de Informaciones e Intercambio Cientifico, DGIA 1972. 36 p. : ill. -. (NAL Call No.: 9.8 P439 No.77).

0225

**Potato harvesting machines: How good are they? (Harvesting losses). DUTCH.**

Andringa, J.T. Wageningen, Stichting Mechanisatie-Centrum. Landbouwmecanisatie. Aug 1978. v. 29 (8). p. 855-858. ill. (NAL Call No.: 58.8 L2352).

0226

**Potato nematodes. GERMAN.**

Behringer, P. Munchen, BLV Verlagsgesellschaft. DLZ. June 1979. v. 30 (6). p. 913. ill. (NAL Call No.: 58.8 T677).

0227

**The potato-rot nematode, *Ditylenchus destructor* Thorne 1945, as a pest of bulbous Iris and its control by hot-water treatment.**

Saigusa, T. Aihara, T. Yokohama, The Service. Chosa kenkyu hokoku. Research bulletin of the Plant Protection Service, Japan. Shokubutsu Boeki-sho, Yokohama. Mar 1977. Mar 1977. (14). p. 1-6. ill. Bibliography p. 14-16. (NAL Call No.: SB599.S5).

0228

**Present situation of crop protection in Palencia Province, Spain (Insect pests, fungal diseases, nematodes, field crops, potatoes, forest trees). SPANISH.**

Sanchez Boccherini, J. Madrid. Agricultura. Aug 1978. v. 47 (556). p. 625-626. ill. (NAL Call No.: 15 AG84).



# PESTS OF PLANTS – GENERAL AND MISC.

0229

**Integrated pest management for potatoes.**

UTSCB. Helms, T.W. Bushnell, J.L. Logan : The Station. Utah Science - Utah Agricultural Experiment Station. Spring 1985. v. 46 (1). p. 10-13. ill. (NAL Call No.: DNAL 100 UT1F).

0230

**Major disease pests.**

Moyer, J.W. Boca Raton, Fla. : CRC Press, c1985. Sweet potato products : a natural resource for the tropics / editor, John C. Bouwkamp. Literature review. p. 35-57. ill. Includes 141 references. (NAL Call No.: DNAL TP444.S94S94).

# PESTS OF PLANTS - INSECTS

0231

**Acquisition of potato virus Yn by (its aphid vector) *Myzus persicae* from primarily infected 'Bintje' potato plants.**  
Beemster, A.B.R. Wageningen, Netherlands Society of Plant Pathology. Netherlands journal of plant pathology. 1979. v. 85 (2). p. 75-81. ill. 6 ref. (NAL Call No.: 464.8 T44).

0232

**Action thresholds for green peach aphid (*Myzus persicae*) on potatoes in Minnesota.**  
Cancelado, R.E. Radcliffe, E.B. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 606-609. ill. 26 ref. (NAL Call No.: 421 J822).

0233

**Action thresholds for potato leafhopper (*Empoasca fabae*) on potatoes in Minnesota.**  
Cancelado, R.E. Radcliffe, E.B. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 566-569. ill. 14 ref. (NAL Call No.: 421 J822).

0234

**Adult red-headed plea beetle (*Systema frontalis*) found feeding on potato in Maine (Coleoptera: Chrysomelidae).**  
Storch, R.H. Manzer, F.E. Orono, Me., Potato Association of America. American potato journal. July 1979. v. 56 (7). p. 363-364. ill. 5 ref. (NAL Call No.: 75.8 P842).

0235

**Advances in potato pest management / edited by James H. Lashomb and Richard Casagrande.**  
Lashomb, James H.; Casagrande, Richard. Stroudsburg, Pa. Hutchinson Ross (New York) Distributed world wide by Academic Press c1981. "Proceedings of a conference ... held at Rutgers University, January 23-25, 1980"--Pref. xii, 288 p. : ill. ; 25 cm. Includes bibliographies. (NAL Call No.: SB608.P8A34).

0236

**Alternative methods for control of Colorado Potato Beetle : final research report / by Tibor Jermy.**  
Jermy, Tibor. (s.l. s.n.) 1979. "C/A number: 12-14-5001-330.". 16 leaves ; 28 cm. (NAL Call No.: QL596.C5J4).

0237

**Aphids infesting potatoes in Canada: life cycle and field key.**  
MacGillivray, M.E. Ottawa, The Department. Publication Canada. Dept. of Agriculture. 1979. 1979. (1678). p. 14 p. ill. (NAL Call No.: 7 C16PU).

0238

**The association of *Erwinia carotovora* var. atroseptica and *Erwinia carotovora* var. carotovora with insects (Diptera) in Colorado (Epidemiology of potato blackleg).**  
Kloepper, J.W. Harrison M.D. Orono, Me., Potato Association of America. American potato journal. July 1979. v. 56 (7). p. 351-361. ill. 10 ref. (NAL Call No.: 75.8 P842).

0239

**An Austrian mermithid nematode parasite offers biological control of the Colorado potato beetle, *Leptinotarsa decemlineata* (Say).**  
PHSWA. Nickle, W.R. Kaiser, H. Washington, D.C. : The Society. Proceedings - Helminthological Society of Washington. July 1984. v. 51 (2). p. 340-341. ill. Includes references. (NAL Call No.: DNAL 436.9 H36).

0240

**Bacillus thuringiensis a potential control agent for the Colorado potato beetle (*Leptinotarsa decemlineata*).**  
Cantwell, G.E. Cantelo, W.W. Orono, Me., Potato Association of America. American potato journal. June 1981. v. 15 (1). p. 457-468. ill. 9 ref. (NAL Call No.: 75.8 P842).

0241

**Better biocontrol, less insecticide (Colorado potato beetle, natural enemies).**  
Yarris, L.AGREA. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Apr 1983. v. 31 (10). p. 15. ill. (NAL Call No.: 1.98 AG84).

0242

**Biological and chemical control of potato insects (Research project, Maine).**  
Storch, R.H. MAMRA. Sewell, G.H. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 23-24. (NAL Call No.: 100 M28M).

0243

**Biology of the coccinellidae of northeastern Maine (Biological control of potato pest insects, research project, Maine).**  
 Storch, R.H.MAMRA. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 22. (NAL Call No.: 100 M28M).

0244

**Chemical control of the sweet potato flea beetle (*Chaetocnema confinis*) and southern potato wireworm (*Conoderus falli*) on sweet potatoes in Georgia.**  
 Chalfant, R.B. Harmon, S.A. Athens, Ga., The Society. Journal. Georgia Entomological Society. Oct 1979. v. 14 (4). p. 354-358. ill. 6 ref. (NAL Call No.: QL461.G4).

0245

**Chemical control of the sweetpotato weevil, *Cylas formicarius*, in Puerto Rico.**  
 Cruz, C. (v.p.) : The Society. Proceedings of the Tropical Region, American Society for Horticultural Science : annual meeting. 1983. v. 27 (pt. B). p. 95-96. (NAL Call No.: 81 AM325).

0246

**Chemical control of wireworms (*Ctenicera pruinina*, *Limonijs canus*, *Limonijs californicus*) on potatoes.**  
 Toba, H.H. Turner, J.E. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 636-641. ill. 10 ref. (NAL Call No.: 421 J822).

0247

**Chemical recommendations in commercial potato production (Weed controo, insect control).**  
 Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. June 1981. June 1981. (A2352). 6 p. (NAL Call No.: S544.3.W6W53).

0248

**Colorado potato beetle control and potato yields, 1980 (*Leptinotarsa decemlineata*).**  
 Margolies, D.C. Ferro, D.N. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 103-104. (NAL Call No.: SB950.A1I49).

0249

**Colorado potato beetle in Bulgaria: geographical variations in population dynamics and considerations for its control.**  
 Mateeva-Radeva, A. Amherst : The Station. Research bulletin - Massachusetts Agricultural Experiment Station. Presented at the "Symposium on the Colorado Potato Beetle," XVIIth International Congress of Entomology, 1985, Amherst, Massachusetts. Sept 1985. (704). p. 139-144. (NAL Call No.: DNAL 100 M38H (1)).

0250

**Colorado potato beetle (*Leptinotarsa decemlineata*) control.**  
 Homan, H.W. Sandvol, L.E. Moscow, Idaho. Idaho current information series Idaho. University. Cooperative Extension Service. Jan 1979. Jan 1979. (459). 2 p. ill. (NAL Call No.: 275.29 ID13IDC).

0251

**Colorado potato beetle (*Leptinotarsa decemlineata*, Pests, chemical control).**  
 Antonelli, A.L. Retan, A.H.; Thorton, R.E. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. July 1981. July 1981. (0919). 3 p. ill. (NAL Call No.: 275.29 W27P).

0252

**The Colorado potato beetle (*Leptinotarsa decemlineata*) problem.**  
 Hofmaster, R.N. Norfolk, Virginia Polytechnic Institute Extension Service. The Vegetable growers news. Feb 1979. v. 33 (8). p. 2-3. (NAL Call No.: 275.28 V52).

0253

**The Colorado potato beetle problem (Chemical control).**  
 Hofmaster, R.N. Norfolk, Va., The Service. The Vegetable growers news - Virginia Polytechnic Institute and State University, Cooperative Extension Service. Apr 1981. v. 35 (10). p. 1-2. (NAL Call No.: 275.28 V52).

0254

**Colorado potato beetle resistance to carbofuran and several other insecticides in Quebec (*Leptinotarsa decemlineata*).**  
 Harris, C.R. Svec, H.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 1981. v. 74 (4). p. 421-424. 16 ref. (NAL Call No.: 421 J822).



## (PESTS OF PLANTS - INSECTS)

0255

**Combining ability and other factors affecting sweet potato breeding.**

Thibodeaux, Sidney Denis. Ann Arbor, Mich. University Microfilms 1973. Thesis--Louisiana State University, 1972. xii, 82 leaves. Bibliography: leaves 76-81. (NAL Call No.: DISS 73-13,690).

0256

**Comparative toxicity of pesticides to *Edovum puttleri* (Hymenoptera: Eulophidae), an egg parasitoid of the Colorado potato beetle (Coleoptera: Chrysomelidae).**

JEENAI. Obrycki, J.J. Tauber, M.J.; Tingey, W.M. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1986. v. 79 (4). p. 948-951. Includes references. (NAL Call No.: DNAL 421 J822).

0257

**Comparison of four methods of applying insecticides for control of wireworms (*Limonius canus*, *Limonius californicus*, *Ctenicera pruinina*) on potatoes (Preplant broadcast, at-plant sidedress, seed-piece furrow, postemergence sidedress).**

Toba, H.H. Turner, J.E. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1981. v. 74 (3). p. 259-265. Bibliography p. 265. (NAL Call No.: 421 J822).

0258

**Comparison of water trap pans and leaf counts as sampling techniques for green peach aphids (*Myzus persicae*) on potatoes (Southwestern Idaho, 1972 to 1975).**

Byrne, D.N. Bishop, G.W. Orono, Me. American potato journal. May 1979. v. 56 (5). p. 237-241. ill. 8 ref. (NAL Call No.: 75.8 P842).

0259

**Compatibility of *Beauveria bassiana* isolates with insecticide formulations used in Colorado potato beetle (Coleoptera:Chrysomelidae) control (*Leptinotarsa decemlineata*).**

Anderson, T.E.JEENAI. Roberts, D.W. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1437-1441. Includes references. (NAL Call No.: 421 J822).

0260

**Components of oil of tansy (*Tanacetum vulgare*) that repel Colorado potato beetles (*Leptinotarsa decemlineata*).**

JNPRDF. Schearer, W.R. Cincinnati, Ohio : American Society of Pharmacognosy. Journal of natural products. Nov/Dec 1984. v. 47 (6). p. 964-969. Includes 22 references. (NAL Call No.: DNAL 442.8 L77).

0261

**Contact toxicities of ten insecticides to Connecticut populations of the Colorado potato beetle (*Leptinotarsa decemlineata*).**

Hare, J.D. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1980. v. 73 (2). p. 230-231. ill. 12 ref. (NAL Call No.: 421 J822).

0262

**Control of potato insects by J.E. Dudley, Jr., B.J. Landis, and W.A. Shands . -.**

Dudley, J. E. Washington, D.C. : U.S. Dept. of Agriculture, 1952. ii, 52 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.2040).

0263

**Control of the Colorado potato beetle with *Bacillus thuringiensis* variety *Thuringiensis* (Biological control, beta exotoxins, thuringiensin).**

Cantwell, G.E. Cantelo, W.W. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 451-459. Includes 5 references. (NAL Call No.: 75.8 P842).

0264

**Control of the green peach aphid (*Myzus persicae*) on potatoes with soil systemic insecticides (aldicarb, thiofanox): preplant broadcast and planting time furrow applications, 1973-77.**

Powell, D.M. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1980. v. 73 (6). p. 839-843. 3 ref. (NAL Call No.: 421 J822).

0265

**Control of the sweetpotato weevil in planting material (*Cylas formicarius elegantulus*, southern Louisiana).**

Rolston, L.H.LAXBA. Barlow, T.B.; Riley, E.G. Baton Rouge : The Station. Bulletin - Louisiana Agricultural Experiment Station. July 1983. July 1983. (752). 12 p. Includes references. (NAL Call No.: 100 L93 (1)).

0266

**Control of whitefringed beetles on sweet potatoes, 1978** (*Graphognathus* sp., Auburn, Alabama).

Kouskolekas, C.A. Carlton, C.C.; Strother, G.R. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 107. (NAL Call No.: SB950.A1I49).

0267

**Controlling potato insects by W.A. Shands and R.L. Landis . -.**

Shands, W. A. Washington, D.C. : U.S. Dept. of Agriculture, 1970. 15 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.2168 1970).

0268

**Controlling the potato tubermoth.**

Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. Feb 1982. v. 30 (2). p. 64-65. (NAL Call No.: 80 C733).

0269

**Cost analysis of alternative insect control programs for Washington potato production.**

Kirpes, D.J. Powell, D.M.; Folwell, R.J.; Smith, T.J.; Tamaki, G.; Baritelle, J.L. Pullman, Wash., The Center. Extract: The maintenance and improvement in ability to produce potatoes in Washington is the effectiveness (technical and economical) of the pest management programs employed by producers. The general objective of this research was to analyze the variation in production costs as potato producers adopt alternative pest management programs. Seven fall potato and six early potato alternative production systems were developed. Bulletin - College of Agriculture Research Center, Washington State University. 1982. 1982. (XC 0636). 28 p. (NAL Call No.: 100 W27E).

0270

**CRONETON G--a new granular aphicide for potatoes.**

Wainwright, A. Suffolk, Bayer UK ltd. Agrochem Division. Agrochem courier. 1979. v.23 (1). p. 14. ill. (NAL Call No.: SB818.B2).

0271

**Damage caused by potato stem borer (*Lepidoptera:Noctuidae*) to field corn (*Hydraecia micacea*).**

Deedat, Y.D.JEENA. Ellis, C.R. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 1055-1060. ill. Includes references. (NAL Call

No.: 421 J822).

0272

**Damage to potato tubers by false wireworm larvae.**

Toba, H.H. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Jan 1985. v. 2 (1). p. 13-19. Includes references. (NAL Call No.: DNAL SB599.J69).

0273

**Descriptions of new Braconidae (*Orgilus*, *Chelonus*, *Apanteles*, *Bracon*, *Mirax*) (*Hymenoptera*) parasitic on the potato tuberworm (*Phthorimaea operculella*) and on related *Lepidoptera* from Central and South America.**

Marsh, P.M. Washington. Journal Washington Academy of Sciences. Mar 1979. v. 69 (1). p. 12-17. ill. (NAL Call No.: 500 W276J).

0274

**Development and survival of *Podisus maculiventris* (Say) (*Hemiptera:Pentatomidae*), a predator of the Colorado potato beetle (*Coleoptera:Chrysomelidae*).**

EVETEX. Drummond, F.A. James, R.L.; Casagrande, R.A.; Faubert, H. College Park, Md. : Entomological Society of America. Environmental entomology. Oct 1984. v. 13 (5). p. 1283-1286. Includes references. (NAL Call No.: DNAL QL461.E532).

0275

**Developmental potential of *Henosepilachna vigintioctopunctata* (F.) (*Coleoptera, Coccinellidae*) on some wild solanaceous plants (Pest, damage to eggplant and potato crops).**

Sachan, G.C. Rathore, Y.S. Hamburg, Paul Parey. Zeitschrift fur angewandte Entomologie. = Journal of applied entomology. Nov 1979. v. 88 (5). p. 527-532. ill. 10 ref. (NAL Call No.: 421 Z36).

0276

**Developmental rates of the hop vine borer and potato stem borer (*Lepidoptera:Noctuidae*): implications for insecticidal control.**

JEENAI. Giebink, B.L. Scriber, J.M.; Hogg, D.B. College Park, Md. : Entomological Society of America. Journal of economic entomology. Apr 1985. v. 78 (2). p. 311-315. ill. Includes references. (NAL Call No.: DNAL 421 J822).



## (PESTS OF PLANTS - INSECTS)

0277

**Disappearance of acephate residues from beans, carrots, celery, lettuce, peppers, potatoes, strawberries, and tomatoes.**

Frank, R. Ritchey, G.; Braun, H.E.; McEwen, F.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1110-1115. Includes 12 references. (NAL Call No.: 421 J822).

0278

**Economic evaluation of selected cultural methods for suppressing the green peach aphid as a vector of virus diseases of potatoes and sugarbeets (*Myzus persicae*).**

Folwell, R.J. Fagerlie, D.L.; Tamaki, G.; Ogg, A.G.; Comes, R.; Baritelle, J.L. Pullman, Wash., The Center. Extract: The green peach aphid (GPA), *Myzus persicae*, causes economic damage to potatoes and sugarbeet crops in the Pacific Northwest (PNW) via actual physical damage to the crops as well as being a major vector of the key virus diseases. If the GPA could be suppressed by grass strip establishment in all Washington peach orchards, the production costs of fall potatoes could be reduced by \$20,142,560 because of the elimination of the side-dressing of a systemic insecticide to control the GPA. The added production costs to peach producers would be less than 1% of the potential savings to PNW potato producers. Washington sugarbeet growers would save \$440,266 per year in production costs by changing to cheaper insecticides. Not all costs and benefits were quantifiable. Bulletin - Washington State University, College of Agriculture Research Center. 1981. 1981. (O900). 15 p. 19 ref. (NAL Call No.: 100 W27E).

0279

***Edovum puttleri* (Hymenoptera: Eulophidae), an exotic egg parasitoid of the Colorado potato beetle (Coleoptera: Chrysomelidae): responses to temperate zone conditions and resistant potato plants.**

EVETEX. Obrycki, J.J. Tauber, M.J.; Tauber, C.A.; Gollands, B. College Park, Md. : Entomological Society of America. Environmental entomology. Feb 1985. v. 14 (1). p. 48-54. Includes references. (NAL Call No.: DNAL QL461.E532).

0280

***Edovum puttleri*, n.g., n. sp. (Hymenoptera: Eulophidae), an egg parasite of the Colorado potato beetle (Chrysomelidae) (*Leptinotarsa undecimlineata*, biological control, Colombia, morphology, new taxa).**

Grissell, E.E. Washington, D.C., The Society. Proceedings of the Entomological Society of Washington. Oct 1981. v. 83 (4). p. 790-796. ill. 2 ref. (NAL Call No.: 420 W27).

0281

**Effect of *Beauveria bassiana* on underground stages of the Colorado potato beetle, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae).**

GRLEA. Cantwell, G.E. Cantelo, W.W.; Schroder, R.F.W. East Lansing, Mich. : Michigan Entomological Society. The Great Lakes entomologist. Summer 1986. v. 19 (2). p. 81-84. Includes references. (NAL Call No.: DNAL QL461.M5).

0282

**Effect of seedling age, environmental temperature, and foliar total glycoalkaloids on resistance of five *Solanum* genotypes to the potato leafhopper (*Empoasca fabae*).**

Van de Klashorst, G. Tingey, W.M. College Park, Md., Entomological Society of America. Environmental entomology. Aug 1979. v. 8 (4). p. 690-693. ill. 13 ref. (NAL Call No.: QL461.E532).

0283

**Effect of white oak extracts on feeding by the Colorado potato beetle (Coleoptera: Chrysomelidae).**

JEENAI. Drummone, F.A. Casagrande, R.A. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1985. v. 78 (6). p. 1272-1274. Includes references. (NAL Call No.: DNAL 421 J822).

0284

**Effects of commonly used insecticides (Azinphosmethyl, methomyl, methamidophos) on the potato tuberworm (*Phthorimaea operculella*) and its associated (braconid) parasites and (arthropod) predators in potatoes.**

Shelton, A.M. Wyman, J.A.; Mayor, A.J. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1981. v. 74 (3). p. 303-308. Bibliography p. 308. (NAL Call No.: 421 J822).

0285

**Effects of European corn borer (Lepidoptera: Pyralidae) damage on yields of spring-grown potatoes (North Carolina, *Ostrinia nubilalis*).**

Kennedy, G.G. JEENA. College Park : Entomological Society of America. Journal of economic entomology. Apr 1983. v. 76 (2). p. 316-322. Includes references. (NAL Call No.: 421 J822).

0286

**Effects of feeding by potato leafhopper nymphs (Homoptera: Cicadellidae) on growth and quality of established stand alfalfa.**

JEENAI. Hower, A.A. Flinn, P.W. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1986. v. 79 (3). p. 779-784. Includes references. (NAL Call No.: DNAL 421 J822).

0287

**Effects of some carbamate pesticide combinations used in Irish potato production (Insect control, sprouting, early yield).**

Sherrod, D.W. Virginia Beach, Va., Virginia Polytechnic Inst. and State University Cooperative Extension Service. The Vegetable growers news. June 1982. v. 36 (12). p. 1-2. (NAL Call No.: 275.28 V52).

0288

**Effects of temperature on pyrethroid toxicity to Colorado potato beetle (Coleoptera: Chrysomelidae).**

JEENAI. Grafius, E. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1986. v. 79 (3). p. 588-591. Includes references. (NAL Call No.: DNAL 421 J822).

0289

**Emergency exemption saves potatoes (Colorado potato beetle).**

San Francisco. Agrichemical age. Feb 1979. v. 23 (2). p. 40, 57C. ill. (NAL Call No.: 381 AG85).

0290

**Enzyme-linked immunosorbent assay to detect potato leafroll virus in potato tubers and viruliferous aphids (Myzus persicae).**

Clarke, R.G. Converse, R.H. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 43-45. ill. 13 ref. (NAL Call No.: 1.9 P69P).

0291

**Evaluation of crop rotation for control of Colorado potato beetles (Coleoptera:Chrysomelidae) in commercial potato fields on Long Island (Leptinotarsa decemlineata, New York).**

Wright, R.J. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1254-1259. ill. Includes 17 references. (NAL Call No.: 421 J822).

0292

**Evaluation of sampling methods and development of sequential sampling plan for potato leafhopper (Homoptera: Cicadellidae) on potatoes.**

EVETEX. Walgenbach, J.F. Wyman, J.A.; Hogg, D.B. College Park, Md. : Entomological Society of America. Environmental entomology. June 1985. v. 14 (3). p. 231-236. Includes references. (NAL Call No.: DNAL QL461.E532).

0293

**An evaluation of the role of oxidative enzymes in Colorado potato beetle resistance to carbamate insecticides.**

PCBPB. Rose, R.L. Brindley, W.A. New York, N.Y. : Academic Press. Pesticide biochemistry and physiology. Literature review. Feb 1985. v. 23 (1). p. 74-84. ill. Includes 38 references. (NAL Call No.: DNAL SB951.P49).

0294

**Evaluation of the United States potato collection for resistance to green peach aphid and potato aphid / Edward B. Radcliffe ... (et al.).**

Radcliffe, Edward B. St. Paul University of Minnesota, Agricultural Experiment Station 1981. Cover title. 43 p. ; 28 cm. -. Bibliography: p. 14-19. (NAL Call No.: 100 M66 (3) no.331).

0295

**Evidence for lack of propagation of potato leaf roll virus in its aphid vector, Myzus persicae.**

Eskandari, F. Sylvester, E.S. St. Paul, American Phytopathological Society. Phytopathology. Jan 1979. v. 69 (1). p. 45-47. ill. 19 ref. (NAL Call No.: 464.8 P56).

0296

**Feeding tests of Nabis roseipennis (Hemiptera: Nabidae) on potato leafhopper, Empoasca fabae (Homoptera: Cicadellidae), and their movement into spring-planted alfalfa (Biological control).**

Rensner, P.E. JKESA. Lamp, W.O.; Barney, R.U.; Armbrust, E.J. Lawrence : The Society. Journal of the Kansas Entomological Society. July 1983. v. 56 (3). p. 446-450. Includes references. (NAL Call No.: 420 K13).



## (PESTS OF PLANTS - INSECTS)

0297

Field evaluation of breeding lines and cultivars of sweetpotato for resistance to the sweetpotato weevil (*Cylas formicarius*). Rolston, L.H. Barlow, T. Alexandria, Va., American Society for Horticultural Science. HortScience. Oct 1979. v. 14 (5). p. 634-635. ill. 4 ref. (NAL Call No.: SB1.H6).

0298

Field evaluation of *Doryphorophaga doryphorae* (Diptera: Tachinidae), a parasite, and its host the Colorado potato beetle (Coleoptera: Chrysomelidae) (Biological control of insect pests). Tamaki, G. EVETB. Chauvin, R.L.; Burditt, A.K. Jr. College Park : Entomological Society of America. Environmental entomology. Apr 1983. v. 12 (2). p. 386-389. Includes references. (NAL Call No.: QL461.E532).

0299

Foliar insecticides for control of green peach aphids and Colorado potato beetles, test 4, 1978 (*Myzus persicae*, *Leptinotarsa decemlineata*). Powell, D.M. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 95. (NAL Call No.: SB950.A1I49).

0300

Foliar sprays for Colorado potato beetle control, 1981 (*Leptinotarsa decemlineata*). Sherrod, D.W. Francis, J.A. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 110-111. (NAL Call No.: SB950.A1I49).

0301

Foliar sprays for control of Colorado potato beetle larvae, 1981 (*Leptinotarsa decemlineata*). Radcliffe, E.B. Johnston, R.L. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 108. (NAL Call No.: SB950.A1I49).

0302

Foliar sprays for control of green peach aphids and Colorado potato beetles, test 6, 1978 (*Myzus persicae*, *Leptinotarsa decemlineata*). Powell, D. Mondor, W. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 96. (NAL Call No.: SB950.A1I49).

0303

Foliar sprays for control of green peach aphids, tuber flea beetles and Colorado potato beetles, test 31, 1979 (*Myzus persicae*, *Epitrix tuberis*, *Leptinotarsa decemlineata*). Powell, D. Mondor, W.T. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 93. (NAL Call No.: SB950.A1I49).

0304

Foliar sprays for mid and late season control of Colorado potato beetle, 1979 (*Leptinotarsa decemlineata*). Moore, R.E.B. Hare, J.D. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 91. (NAL Call No.: SB950.A1I49).

0305

Foliar sprays of synthetic pyrethroids and numbered chemicals for control of Colorado potato beetle, test 10, 1978 (*Leptinotarsa decemlineata*). Powell, D.M. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 92-93. (NAL Call No.: SB950.A1I49).

0306

Foliar sprays to control the Colorado potato beetle on Irish potatoes, 1979 (*Leptinotarsa decemlineata*). Hofmaster, R.N. Francis, J.A. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 85-87. (NAL Call No.: SB950.A1I49).

0307

Furrow application of insecticide as a method of controlling wireworms (*Agriotes obscurus*) in potato land. Wilkinson, A.T.S. Brown, M.J. Vancouver. Journal Entomological Society of British Columbia. Dec 31, 1978. v. 75. p. 3-5. ill. 9 ref. (NAL Call No.: 420 B77).

0308

Glycoalkaloids and resistance to the Colorado potato beetle (*Leptinotarsa decemlineata*) in *Solanum chacoense* Bitt. Sinden, S.L. Sanford, L.L. Orono, Me., Potato Association of America. American potato journal. Oct 1979. v. 56 (10). p. 479-480. ill. (NAL Call No.: 75.8 P842).

0309

**Glycoalkaloids as pest resistance factors (Antimicrobial and pesticidal properties, in Solanum species against the Colorado potato beetle, *Leptinotarsa decemlineata*, and the potato leafhopper, *Empoasca fabae*).**

Tingey, W.M. Orono, Me. : Potato Association of America. American potato journal. Mar 1984. Literature review. v. 61 (3). p. 157-167. ill. Includes references. (NAL Call No.: 75.8 P842).

0310

**GPA-CAST, a computer forecasting system for predicting populations and implementing control of the green peach aphid (*Myzus persicae*) on potatoes.**

Whalon, M.E. Smilowitz, Z. College Park, Md., Entomological Society of America. Environmental entomology. Oct 1979. v. 8 (5). p. 908-913. ill. 17 ref. (NAL Call No.: QL461.E532).

0311

**GPA (green peach aphid)-CAST, an integrated pest management system, developed for potatoes (*Myzus persicae*, computerized systems).**

Smilowitz, Z. Whalon, M.E. University Park, Pennsylvania Agricultural Experiment Station. Science in agriculture. Summer 1979. v. 26 (4). p. 9. ill. (NAL Call No.: 100 P381S).

0312

**Green peach aphid and Colorado potato beetle control with soil applied systemic insecticides, 1978 (*Leptinotarsa decemlineata*, *Myzus persicae*).**

Sandvol, L. Hart, D.S.; Bishop, G.W. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 98. (NAL Call No.: SB950.A1I49).

0313

**Green peach aphid feeding damage to potato in various plant growth stages (*Myzus persicae*).**

Petitt, F.L. Smilowitz, Z. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1982. v. 75 (3). p. 431-435. Includes 1 p. ref. (NAL Call No.: 421 J822).

0314

***Heterorhabditis* sp. (Nematoda: Heterorhabditidae): a nematode parasite isolated from the banded cucumber beetle *Diabrotica balteata*.**

JONEB. Creighton, C.S. Fassuliotis, G. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Apr 1985. v. 17 (2). p. 150-153. Includes 6 references. (NAL Call No.: DNAL

QL391.N4J62).

0315

**The hormonal control of vitellogenin synthesis in the fat body of the female Colorado potato beetle (*Leptinotarsa decemlineata*).**

Dortland, J.F. New York, Academic Press. General and comparative endocrinology. July 1979. v. 38 (3). p. 332-344. ill. Bibliography p. 343-344. (NAL Call No.: 444.8 G28).

0316

**Host plant adaptations among geographic populations (Arizona, Utah, New Mexico, Texas) of the Colorado potato beetle (*Leptinotarsa decemlineata*).**

Hsiao, T.H. Amsterdam, Nederlandse Entomologische Vereniging. Entomologia experimentalis et applicata. 1978. v. 24 (3). p. 237-247. ill. 19 ref. (NAL Call No.: 421 EN895).

0317

**Host specificity of an egg parasite, *Edovum puttleri* (Hymenoptera: Eulophidae), the Colorado potato beetle, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae) (Biological control).**

Puttler, B.PESWA. Long, S.H. Washington : The Society. Proceedings - Entomological Society of Washington. Apr 1983. v. 85 (2). p. 384-387. Includes references. (NAL Call No.: 420 W27).

0318

**Identification of sex pheromone produced by female sweetpotato weevil, *Cylas formicarius elegantulus* (Summers).**

JCECD. Heath, R.R. Coffelt, J.A.; Sonnet, P.E.; Proshold, F.I.; Dueben, B.; Tumlinson, J.H. New York, N.Y. : Plenum Press. Journal of chemical ecology. June 1986. v. 12 (6). p. 1489-1503. Includes references. (NAL Call No.: DNAL QD415.A1J6).

0319

**Impact of *perillius bioculatus* on the Colorado potato beetle and plant damage (by George Tamaki and B.A. Butt).**

Tamaki, George. Washington, D.C. U.S. Dept. of Agriculture, Science and Education Administration 1978. 11 p. : ill. -. Bibliography: p. 11. (NAL Call No.: Fiche S-69 no.1581).



## (PESTS OF PLANTS - INSECTS)

0320

**Improved control of potato virus Y by mineral oil plus the pyrethroid cypermethrin applied electrostatically.**

CRPTD6. Gibson, R.W. Cayley, G.R. Guildford, Eng. : Butterworths. Crop protection. Dec 1984. v. 3 (4). p. 469-478. Includes references. (NAL Call No.: DNAL SB599.C8).

0321

**Influence of nitrogen on population parameters of potato insects: abundance, development, and damage of the Colorado potato beetle, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae).**

EVETEX. Jansson, R.K. Smilowitz, Z. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1985. v. 14 (4). p. 500-506. Includes references. (NAL Call No.: DNAL QL461.E532).

0322

**Influence of pesticides on *Beauveria bassiana*, a pathogen of the Colorado potato beetle (*Leptinotarsa decemlineata*).**

Clark, R.A. Casagrande, R.A.; Wallace, D.B. College Park, Md., Entomological Society of America. Environmental entomology. Feb 1982. v. 11 (1). p. 67-70. ill. Includes 6 ref. (NAL Call No.: QL461.E532).

0323

**Influence of potato persistence, foliar biomass, and foliar nitrogen on abundance of *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae).**

EVETEX. Jansson, R.K. Smilowitz, Z. College Park, Md. : Entomological Society of America. Environmental entomology. June 1986. v. 15 (3). p. 726-732. Includes references. (NAL Call No.: DNAL QL461.E532).

0324

**Insect and nematode control recommendations for table beets, carrots, parsnips, sweet potatoes, and turnips.**

Toscano, N.C. (comp.). CA. Burton, V.; Hart, W.; Johnson, D.; Radewald, J.; Thomason, I.; Toscano, N.; Lang, W.; Stimmann, M. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California. California. University, Berkeley. Cooperative Extension Service. Dec 1979. Dec 1979. (2750). 7 p. ill. (NAL Call No.: S544.3.C2C3).

0325

**Insect answers: Whiteflies: their biology and control.**

WUEXA. Antonelli, A. Akre, R.; Retan, A. Pullman, Wash. : The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Sept 1985. (1349). 5 p. ill. (NAL Call No.: DNAL 275.29 W27P).

0326

**Insect answers: Wireworm control in potatoes.**

WUEXA. Toba, H.H. Retan, A. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Apr 1985. (955,rev.). 2 p. ill. (NAL Call No.: DNAL 275.29 W27P).

0327

**Insect control and yield of potatoes, 1979 (*Leptinotarsa decemlineata*, *Ostrinia nubilalis*, *Myzus persicae*).**

Kee, E. Graustein, M. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 90. (NAL Call No.: SB950.A1I49).

0328

**Insect distribution and insecticide-induced mortality in corn and potatoes as affected by plot size and location.**

JEENAI. Cantelo, W.W. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1986. v. 79 (3). p. 741-748. ill. Includes references. (NAL Call No.: DNAL 421 J822).

0329

**Insecticidal activity of 5-methoxy-6-1 (1-(4-methoxyphenyl)ethyl)-1,3-benzodioxole against the Colorado potato beetle (Coleoptera: Chrysomelidae) (*Leptinotarsa decemlineata*).**

Mellaert, H. VanJEENA. Loof, A. De; Jurd, L. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 990-992. Includes references. (NAL Call No.: 421 J822).

0330

**Insecticide control of a white grub, *Phyllophaga ephilida* Say, (Coleoptera: Scarabaeidae) on sweet potato.**

Rolston, L.H. USDA. Barlow, T. Athens, Ga., The Society. Journal of the Georgia Entomological Society. Oct 1980. v. 15 (4). p. 445-449. (NAL Call No.: QL461.G4).

0331

**Insecticide control of the sugar beet wireworm on potatoes.**

OASPA. Bishop, G.W. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 81-83. (NAL Call No.: DNAL 100 DR3M).

0332

**Insecticide resistance in the Colorado potato beetle.**

Forgash, A.J. Amherst : The Station. Research bulletin - Massachusetts Agricultural Experiment Station. Presented at the "Symposium on the Colorado Potato Beetle," XVIIth International Congress of Entomology, 1985, Amherst, Massachusetts. Sept 1985. (704). p. 33-52. Includes references. (NAL Call No.: DNAL 100 M38H (1)).

0333

**Insecticide resistance in the sweetpotato whitefly, *Bemisia tabaci* (Homoptera: Aleyrodidae).**

JEENAI. Prabhaker, N. Coudriet, D.L.; Meyerdirk, D.E. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1985. v. 78 (4). p. 748-752. Includes references. (NAL Call No.: DNAL 421 J822).

0334

**Insecticides applied to the soil for control of wireworms (*Conoderus vespertinus*, *Melanotus* sp.) on sweet potatoes in Maryland.**

Linduska, J.J. Baltimore, Entomological Society of America. Journal of economic entomology. Feb 15, 1979. v. 72 (1). p. 24-26. ill. 8 ref. (NAL Call No.: 421 J822).

0335

**The integration of a bacterium and parasites to control the Colorado potato beetle and the Mexican bean beetle.**

GENSAB. Cantwell, G.E. Cantelo, W.W.; Schroder, R.F.W. Athens, Ga. : The Society. Journal of Entomological Science. Jan 1985. v. 20 (1). p. 98-103. Includes references. (NAL Call No.: DNAL QL461.G4).

0336

**Interaction of synthetic pyrethroid insecticide-foliar fungicide combinations for Colorado potato beetle control in tomato and Irish potato (*Leptinotarsa decemlineata*).**

Sherrod, D.W. GENSA. Linduska, J.J.; Hofmaster, R.N.; Francis, J.A. Athens : The Society.

Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 419-424. Includes references. (NAL Call No.: QL461.G4).

0337

**The interaction of temperature and biotype on development of the green peach aphid, *Myzus persicae* (Sulz.) (collected from Pennsylvania, Maine, and Washington potato producing regions).**

Whalon, M.E. Smilowitz, Z. Drono, Me., Potato Association of America. American potato journal. Dec 1979. v. 56 (12). p. 591-596. ill. 17 ref. (NAL Call No.: 75.8 P842).

0338

**Irish potato, Colorado potato beetle control, 1979 (*Leptinotarsa decemlineata*).**

Mouzin, T.E. Chaney, W.E. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 91-92. (NAL Call No.: SB950.A1I49).

0339

**Irish potato, Colorado potato beetle (*Leptinotarsa decemlineata*) control, 1978.**

Reed, D.K. Reed, G.L. Reprints. United States. Dept. of Agriculture. Science and Education Administration. Agricultural Research. (NAL Call No.: aS21.A8U5/AR).

0340

**Irish potato, control of potato infesting aphids, 1981 (*Aphis nasturtii*, *Acyrtosiphon solani*, *Macrosiphum euphorbiae*, *Myzus persicae*).**

Sewell, G.H. Storch, R.H. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 109-110. (NAL Call No.: SB950.A1I49).

0341

**Irish potatoes and the Colorado potato beetle (Control, Virginia).**

Sherrod, D.W. Virginia Beach : Virginia Polytechnic Inst. and State University Cooperative Extension Service. The Vegetable growers news. July/Aug 1983. v. 38 (1). p. 3-4. (NAL Call No.: 275.28 V52).



## (PESTS OF PLANTS - INSECTS)

0342

**Isolation and identification of volatiles in the foliage of potato, *Solanum tuberosum*, a host plant of the Colorado beetle, *Leptinotarsa decemlineata*.**

Visser, J.H. Straten, S. van. New York, Plenum Pub. Corp. Journal of chemical ecology. Jan 1979. v. 5 (1). p. 13-25. ill. Bibliography p. 23-25. (NAL Call No.: QD415.A1J6).

0343

**Kern County (California) potatoes: control of insect changes entire growing methods.**

San Francisco, California Farmer Publishing. California farmer. Mar 1, 1980. v. 252 (5). p. 6, 40. ill. (NAL Call No.: S1.C185).

0344

**Laboratory evaluation of *Doryphorophaga doryphorae* (Diptera: Tachinidae), a parasite of the Colorado potato beetle (Coleoptera: Chrysomelidae) (Biological control of insect pests).**

Tamaki, G. EVETB. Chauvin, R.L.; Burditt, A.K. Jr. College Park : Entomological Society of America. Environmental entomology. Apr 1983. v. 12 (2). p. 390-392. Includes references. (NAL Call No.: QL461.E532).

0345

**Laboratory studies on insect predators of potato leafhopper eggs, nymphs, and adults (*Empoasca fabae*, *Orius insidiosus*, *Reduviolus americanus*, *Hippodamia convergens*, *Coccinella novemnotata*, *Chrysopa carnea*, natural control).**

Martinez, D.G. Pienkowski, R.L. College Park, Md., Entomological Society of America. Environmental entomology. Apr 15, 1982. v. 11 (2). p. 361-362. Includes 11 ref. (NAL Call No.: QL461.E532).

0346

**Laboratory and field evaluation of piperonyl butoxide as a pyrethroid synergist against the Colorado potato beetle (Coleoptera: Chrysomelidae).**

JEENAI. Silcox, C.A. Ghidini G.M.; Forgash, A.J. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1985. v. 78 (6). p. 1399-1405. Includes references. (NAL Call No.: DNAL 421 J822).

0347

**Leptine glycoalkaloids and resistance to the Colorado potato beetle (Coleoptera: Chrysomelidae) in *Solanum chacoense*.**

EVETEX. Sinden, S.L. Sanford, L.L.; Cantelo, W.W.; Deahl, K.L. College Park, Md. : Entomological Society of America. Environmental entomology. Oct 1986. v. 15 (5). p. 1057-1062. Includes references. (NAL Call No.: DNAL QL461.E532).

0348

**Major insect pests.**

Schalk, J.M. Jones, A. Boca Raton, Fla. : CRC Press, c1985. Sweet potato products : a natural resource for the tropics / editor, John C. Bouwkamp. Literature review. p. 59-78. ill. Includes 79 references. (NAL Call No.: DNAL TP444.S94S94).

0349

**Management of the Colorado potato beetle using the entomogenous fungus *Beauveria bassiana*.**

APOJA. Campbell, R.K. Anderson, T.E.; Semel, M.; Roberts, D.W. Orono, Me. : Potato Association of America. American potato journal. Jan 1985. v. 62 (1). p. 29-37. Includes 16 references. (NAL Call No.: DNAL 75.8 P842).

0350

**Methods for estimating damage and evaluating the reaction of selected peanut cultivars to the potato leafhopper, *Empoasca fabae* (Homoptera: Cicadellidae).**

JEENAI. Smith, J.W. Jr. Sams, R.L.; Agnew, C.W.; Simpson, C.E. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1985. v. 78 (5). p. 1059-1062. Includes references. (NAL Call No.: DNAL 421 J822).

0351

**A midge predator of potato aphids on tomatoes.**

CAGRA. Farrar, C.A. Perring, T.M.; Toscano, N.C. Berkeley, Calif. : The Station. California agriculture - California Agricultural Experiment Station. Nov/Dec 1986. v. 40 (11/12). p. 9-10. ill. (NAL Call No.: DNAL 100 C12CAG).

0352

**Morphology of the tymbal organ of the potato leafhopper *Empoasca fabae* Harris (Homoptera: Cicadellidae).**

Shaw, K.C. Carlson, O.V. Lawrence, Kans., The Society. Journal. Kansas Entomological Society. Oct 1979. 52 (4). p. 701-711. ill. 14 ref. (NAL

Call No.: 420 K13).

0353

**On the use of London Purple to destroy the potato bug.**

KAEBBA. Scovell, M.A. Peter, A.M. Lexington : The Station. Bulletin - Kentucky, Agricultural Experiment Station. Documents available from: Agriculture Library, Agricultural Science Center - North, University of Kentucky, Lexington, Ky. 40546-0091. Dec 1888. (16,pt.2). p. 22. (NAL Call No.: DNAL 100 K41 (2)).

0354

**Orius tristicolor (Heteroptera: Anthociridae) as a predator of Myzus persicae (Homoptera: Aphididae) on potatoes (Biological control).**  
Hollingsworth, C.S.EVETB. Bishop, G.W. College Park : Entomological Society of America. Environmental entomology. Oct 1982. v. 11 (5). p. 1046-1048. Includes references. (NAL Call No.: QL461.E532).

0355

**Oxamyl as a pretransplant drench treatment for control of the Colorado potato beetle (Coleoptera: Chrysomelidae) on tomato.**  
JEENAI. Ghidui, G.M. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1984. v. 77 (6). p. 1549-1552. Includes references. (NAL Call No.: DNAL 421 J822).

0356

**Pest management for potatoes in Wisconsin--a pilot program (Fungicide and insecticide applications, costs and returns for growers).**  
Shields, E.J. Hygnstrom, J.R.; Curwen, D.; Stevenson, W.R.; Wyman, J.A.; Binning, L.K. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 508-516. Includes 2 references. (NAL Call No.: 75.8 P842).

0357

**Pest status and control strategies of the Colorado potato beetle.**  
Ferro, D.N. Amherst : The Station. Research bulletin - Massachusetts Agricultural Experiment Station. Presented at the "Symposium on the Colorado Potato Beetle," XVIIth International Congress of Entomology, 1985, Amherst, Massachusetts. Sept 1985. (704). p. 1-8. Includes references. (NAL Call No.: DNAL 100 M38H (1)).

0358

**Piperonyl butoxide as a tank-mixed pyrethroid synergist for Colorado potato beetle control on tomato.**

Ghidui, G.M. Silcox, C.A. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Oct 1984. v. 1 (4). p. 360-366. ill. Includes references. (NAL Call No.: DNAL SB599.J69).

0359

**Plug-mix and banded-and-incorporated application of systemic insecticides for control of the Colorado potato beetle (Coleoptera:Chrysomelidae) on direct-seeded tomatoes (Leptinotarsa decemlineata).**

Romanow, L.R. Kennedy, G.G.; Sanders, D.C. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1245-1250. Includes 6 references. (NAL Call No.: 421 J822).

0360

**Postharvest potato tuberworm (Phthorimaea operculella) population levels in cull and volunteer potatoes, and means for control.**  
Shelton, A.M. Wyman, J.A. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 8-11. ill. 9 ref. (NAL Call No.: 421 J822).

0361

**The potato flea beetle (Epitrix cucumeris) on Irish potatoes (in Virginia).**

Hofmaster, R.N. Virginia Beach, Virginia Polytechnic Institute and State University Cooperative Extension Service, Virginia Truck & Ornamentals Research Station. The Vegetable growers news. May 1979. v. 33 (11). p. 1, 3. (NAL Call No.: 275.28 V52).

0362

**Potato flea-beetles.**

KAEBBA. Jewett, H.H. Lexington : The Station. Bulletin - Kentucky, Agricultural Experiment Station. Documents available from: Agriculture Library, Agricultural Science Center - North, University of Kentucky, Lexington, Ky. 40546-0091. Oct 1929. (297). p. 281-301. ill. Includes references. (NAL Call No.: DNAL 100 K41 (2)).



## (PESTS OF PLANTS - INSECTS)

0363

**Potato flea beetles: biology and control**  
(*Epitrix tuberis*, *Epitrix subcrinata*, damage and control).

Antonelli, A.L. Davidson, R.M. Jr. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Mar 1984. Mar 1984. (1198,rev.). 2 p. ill. (NAL Call No.: 275.29 W27P).

0364

**Potato flea beetles: biology and control**  
(*Epitrix tuberis*, *Epitrix subcrinata*, pests of many vegetable crops in western Washington).

Antonelli, A.L. WUEXA. Davidson, R.M. Jr. Pullman : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. June 1983. Replaces EM4071. June 1983. (1198). 2 p. ill. (NAL Call No.: 275.29 W27P).

0365

**Potato glycoalkaloids: effect on survival and feeding behavior of the potato leafhopper**  
(*Empoasca fabae*).

Raman, K.V. Tingey, W.M. College Park, Md., Entomological Society of America. Journal of economic entomology. June 1979. v. 72 (3). p. 337-341. ill. 18 ref. (NAL Call No.: 421 J822).

0366

**Potato insect control with foliar sprays, 1978.**

Hofmaster, R.N. Francis, J.A. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 88. (NAL Call No.: SB950.A1I49).

0367

**Potato insects and their control.**

Andersen, Llyod W. Document available from: University of Nebraska-Lincoln, Dept. of Agricultural Communications, Lincoln, Nebraska 68583 1979. Includes a guide for potatoe insects and some safety considerations for pesticide use. 4 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: G 79-452).

0368

**Potato leafhopper / Ohio State University, Cooperative Extension Service, Columbus, Ohio.** 1981. This publication discusses the potato leafhopper's distribution, appearance, life cycle, damage, scouting methods, and chemical controls. Also included are instructions on making a sweep net. Document available from: Ext. Office of Information, Ohio State

University, 2120 Fyffe Road, Columbus, OH 43210. 3 p. : ill. (NAL Call No.: Not available at NAL.)(NAL Call No.: Field Ent Series 18).

0369

**Potato leafhopper and alfalfa blotch leafminer control, 1981** (*Empoasca fabae*, *Agromyza frontella*).

Hower, A.A. Jr. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 137-138. (NAL Call No.: SB950.A1I49).

0370

**The potato leafhopper and how to control it by J.E. Dudley, Jr. . -.**

Dudley, J. E. Washington, D.C. : U.S. Dept. of Agriculture, 1926. ii, 13 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1462).

0371

**The potato leafhopper and its control J.E. Dudley, Jr. . -.**

Dudley, J. E. Washington, D.C. : U.S. Dept. of Agriculture, 1921. 16 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1225).

0372

**Potato leafhopper control in glabrous and pubescent soybean isolines, 1981** (*Empoasca fabae*).

Ostlie, K.R. Higgins, R.; Pedigo, L. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 189-190. (NAL Call No.: SB950.A1I49).

0373

**Potato leafhopper control on alfalfa.**

Edwards, Richard C. Matthew, David L. & Field crops insects. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1980. Lists the advantages of leafhopper control and spray suggestions. 3 p. : ill. (NAL Call No.: Document available from source.)(NAL Call No.: E-36).

0374

**Potato leafhopper (*Empoasca fabae*) resistance in glandular-haired alfalfa species.**

Shade, R.E. Daskocil, M.J. Madison, Crop Science Society of America. Crop science. Mar/Apr 1979. v. 19 (2). p. 287-289. ill. 7 ref. (NAL Call No.: 64.8 C883).

0375

Potato leafhopper (Homoptera: Cicadellidae) feeding damage at various potato growth stages. JEENAI. Walgenbach, J.F. Wyman, J.A. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1985. v. 78 (3). p. 671-675. ill. Includes references. (NAL Call No.: DNAL 421 J822).

0376

Potato pest control with foliar insecticidal sprays, 1979 (*Empoasca fabae*, *Myzus persicae*, *Macrosiphum euphorbiae*). Johnston, R.L. Radcliffe, E.B. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 89-90. (NAL Call No.: SB950.A1I49).

0377

Potato pest control with soil applied systemic insecticides, 1979 (*Empoasca fabae*, *Myzus persicae*, *Macrosiphum euphorbiae*). Radcliffe, E.B. Johnston, R.L. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 97. (NAL Call No.: SB950.A1I49).

0378

Potato research highlights (Culture, varieties, diseases and pests). Nagaich, B.B. Singh, A.K. New Delhi, Indian Council of Agricultural Research. Indian horticulture. July/Sept 1978. v. 23 (2). p. 21-24. ill. (NAL Call No.: 80 IN23).

0379

Potato tuberworm (*Phthorimaea operculella*) damage to potatoes under different irrigation and cultural practices. Shelton, A.M. Wyman, J.A. College Park, Entomological Society of America. Journal of economic entomology. Apr 15, 1979. v. 72 (2). p. 261-264. ill. 9 ref. (NAL Call No.: 421 J822).

0380

Potato, wireworm and false wireworm (*Ctenicera pruinina*, *Eleodes*) control, Echo, Oregon, 1977. Toba, H.H. AR~AR. Turner, J.E. Reprints. United States. Dept. of Agriculture. Science and Education Administration. Agricultural Research. (NAL Call No.: aS21.A8U5/AR).

0381

Potato, wireworm control, Hermiston, Oregon, 1978 (*Limonius canus*). Turner, J.E. Toba, H.H. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 103. (NAL Call No.: SB950.A1I49).

0382

Potato, wireworm control, Pasco, WA, 1980 (*Ctenicera pruinina*, *Limonius canus*, Washington). Toba, H.H. Turner, J.E. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 114-115. (NAL Call No.: SB950.A1I49).

0383

Potato, wireworm control, Pasco, Washington, 1978 (*Ctenicera pruinina*, *Limonius canus*). Turner, J.E. Toba, H.H. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 102. (NAL Call No.: SB950.A1I49).

0384

Potato, wireworm (*Ctenicera pruinina*, *Limonius canus*) control, Pasco, Washington, 1977. Toba, H.H. AR~AR. Turner, J.E. Reprints. United States. Dept. of Agriculture. Science and Education Administration. Agricultural Research. (NAL Call No.: aS21.A8U5/AR).

0385

Potential for plant resistance and biological control to manage insect pests (Potato). Tingey, W.M. Minneapolis, Minn. : Published for the Congress by Burgess Pub., c1981. Proceedings of symposia : IX International Congress of Plant Protection, Washington, D.C., U.S.A., August 5-11, 1979 / editor, Thor Kommedahl. p. 473-476. Includes 55 ref. (NAL Call No.: SB951.I5 1979).

0386

Potential of host plant resistance in sweetpotato for control of a white grub, *Phyllophaga ephilida* Say (Coleoptera: Scarabaeidae). Rolston, L.H. Barlow, T.; Jones, A.; Hernandez, T. Lawrence, Kan., The Society. Journal of the Kansas Entomological Society. Apr 1981. v. 54 (2). p. 378-380. 6 ref. (NAL Call No.: 420 K13).



## (PESTS OF PLANTS - INSECTS)

0387

**Prevention of damage by the seed-corn maggot to potato seed pieces by W.J. Reid, Jr., R.C. Wright, and W.M. Peacock.**

Reid, W. J. (William John). Washington, D.C. U.S. Dept. of Agriculture 1940. 38 p. : ill. Bibliography: p. 35-37. (NAL Call No.: Fiche S-69 no.719).

0388

**Prevention of damage by the seed-corn maggot to potato seed pieces /by W.J. Reid, Jr., R.C. Wright, and W.M. Peacock.**

Reid, W. J. 1902. Wright, R. C. 1885-; Peacock, Walter M. 1886. Washington : U.S. Dept. of Agriculture, 1940. Caption title. 38 p. : ill. ; 23 cm. Literature cited: p. 35-37. (NAL Call No.: DNAL 1 Ag84Te no.719).

0389

**Production of microsporidia pathogenic to the Colorado potato beetle (*Leptinotarsa decemlineata*) in alternate hosts.**

JIVPA. Hostounsky, Z. New York, N.Y. : Academic Press. Journal of invertebrate pathology. Sept 1984. v. 44 (2). p. 166-171. Includes 14 references. (NAL Call No.: DNAL 421 J826).

0390

**Protecting field and forage crops from potato leafhopper.**

MUCBA. Ruppel, R.F. Parker, K.A. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Apr 1985. (1794). 3 p. ill. (NAL Call No.: DNAL 275.29 M58B).

0391

**Pydrin for control of bertha armyworm on potatoes, 1981 (*Mamestra configurata*).**

Powell, D.M. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 107. (NAL Call No.: SB950.A1I49).

0392

**Quantitative determination of RuBP (ribulose 1,5-bisphosphate) carboxylase-oxygenase protein in leaves of several C3 and C4 (carbon pathway) plants (Tobacco, potato, wheat, maize, *Panicum* sp.).**

, M.S.B. ,Schmitt, M.R. Oxford. Journal of experimental botany. Feb 1979. v. 30 (114). p. 89-98. ill. 23 ref. (NAL Call No.: 450 J8224).

0393

**Relationship between injury and damage to potatoes by wireworms (*Limonius californicus*, *Limonius canus*, *Ctenicera priounina*).**

Toba, H.H. Turner, J.E.; Powell, D.M. Orono, Me., Potato Association of America. American potato journal. Aug 1981. v. 58 (8). p. 423-428. ill. 4 ref. (NAL Call No.: 75.8 P842).

0394

**Relationship of green peach aphid (*Myzus persicae*) numbers to spread of potato leaf roll virus in southern Idaho.**

Byrne, D.N. Bishop, G.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1979. v. 72 (6). p. 809-811. ill. 4 ref. (NAL Call No.: 421 J822).

0395

**The relative importance of nervous and humoral pathways for control of corpus allatum activity in the adult Colorado potato beetle, *Leptinotarsa decemlineata* (Say).**

Khan, M.A.GCENA. Koopmanschap, A.B.; de Kort, C.A.D. New York : Academic Press. General and comparative endocrinology. Nov 1983. v. 52 (2) p. 214-221. Includes references. (NAL Call No. 444.8 G28).

0396

**Report of the Working Party for Co-operation on Colorado Beetle Control, Paris, 15-16 November 1978.**

European and Mediterranean Plant Protection Organisation. Paris European and Mediterranean Plant Protection Organisation 1976. 10 p. (NAL Call No.: SB608.P8E8 1978).

0397

**Report of the Working Party on Potato Wart Disease.**

European and Mediterranean Plant Protection Organisation. Paris The Organisation. (NAL Call No.: SB608.P8E84).

0398

**Residue of endosulfan on sweet potato (Insect pest control).**

Thompson, N.P. Bardalaye P.C.; Waddill, V.H. s.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. June 1, 1980. v. 92. p. 115-116. ill. 1 ref. (NAL Call No.: 81 F66).

0399

Resistance and reflective foil mulch as control measures for the potato leafhopper (Homoptera: Cicadellidae) on Phaseolus species (Empoasca fabae, common dry bean).

Wells, P.W. Dively, G.P.; Schalk, J.M. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1984. v. 77 (4). p. 1046-1051. ill. Includes 15 references. (NAL Call No.: 421 J822).

0400

Resistance of sweet potato cultivars and the effect of cultural methods of control of soil insect damage / by Bunnie William Wascom.

Wascom, Bunnie William, 1933. 1971. Thesis (Ph.D.)--Louisiana State University and Agricultural and Mechanical College, 1971. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. x, 91 leaves : ill. ; 21 cm. Bibliography: leaves 85-90. (NAL Call No.: DISS 71-20,627).

0401

Response of Colorado potato beetles, Leptinotarsa decemlineata (Say), to volatile components of tansy, Tanacetum vulgare (Chemical control, insect attractance, potatoes).

Panasiuk, O. New York, N.Y. : Plenum Press. Journal of chemical ecology. Sept 1984. v. 10 (9). p. 1325-1333. ill. Includes references. (NAL Call No.: QD415.A1J6).

0402

Response of susceptible and resistant peach-potato aphids Myzus persicae (Sulz.) to insecticides in leaf-dip bioassays.

Sawicki, R.M. Rice, A.D. Oxford, Blackwell Scientific Publications. Pesticide science Society of Chemical Industry. Dec 1978. v. 9 (6). p. 513-516. ill. 9 ref. (NAL Call No.: SB951.P47).

0403

Roquette Eruca sativa an improved host plant for rearing aphid vectors (Myzus persicae, Macrosiphum euphorbiae) of potato viruses.

Goth, R.W. Webb, R.E. Orono, Me., Potato Association of America. American potato journal. Oct 1979. v. 56 (10). p. 462. ill. (NAL Call No.: 75.8 P842).

0404

A sampling program developed for potato leafhopper nymphs, Empoasca fabae (Homoptera: Cicadellidae), on alfalfa.

Simonet, D.E. Pienkowski, R.L. Ottawa. Canadian entomologist. Apr 1979. v. 111 (4). p. 481-486. ill. Bibliography p. 485-486. (NAL Call No.: 421 C16).

0405

Seasonal patterns of potato tuberworm moth (Phthorimaea operculella) abundance as determined by pheromone trapping (California).

Shelton, A.M. Wyman, J.A. College Park, Md., Entomological Society of America. Environmental entomology. June 1979. v. 8 (3). p. 541-543. ill. 10 ref. (NAL Call No.: QL461.E532).

0406

Seasonal population fluctuations of Filipjevimermis leipsandra (potential biological control agent) and infectivity of juveniles on the banded cucumber beetle (Diabrotica balteata, pest of sweetpotato and corn).

Creighton, C.S. AR-SO. Fassuliotis, G. College Park, Md., Entomological Society of America. Journal of economic entomology. Apr 1980. v. 73 (2). p. 296-300. ill. 3 ref. (NAL Call No.: 421 J822).

0407

Selection for resistance to potato leafhopper (Empoasca fabae) in potatoes. II. Progress after two cycles of phenotypic recurrent selection.

Sanford, L.L. Ladd, T.L. Orono, Me., Potato Association of America. American potato journal. Oct 1979. v. 56 (10). p. 479. ill. (NAL Call No.: 75.8 P842).

0408

Selection for resistance to potato leafhopper (Empoasca fabae) in potatoes. II. Progress after two cycles of phenotypic recurrent selection.

Sanford, L.L. Ladd, T.L. Orono, Me., Potato Association of America. American potato journal. Nov 1979. v. 56 (11). p. 541-547. ill. 8 ref. (NAL Call No.: 75.8 P842).

0409

Selective toxicity of pirimicarb, carbaryl and methamidophos to green peach aphid, (Myzus persicae) (Sulzer), Coleomegilla maculata lengi (Timberlake) and Chrysopa oculata Say. (Potatoes).

Lecrone, S. Smilowitz, Z. College Park, Md.,



## (PESTS OF PLANTS - INSECTS)

Entomological Society of America. Environmental entomology. Dec 1980. v. 9 (6). p. 752-755. 15 ref. (NAL Call No.: QL461.E532).

0410

**Selectivity of insecticides that kill the potato leafhopper (Homoptera: Cicadellidae) and alfalfa weevil (Coleoptera: Curculionidae) and protect the parasite Microctonus aethiopoides Loan (Hymenoptera: Braconidae)**

**Carbophenothion .**

JEENAI. Hower, A.A. Davis, G.A. College Park, Md. : Entomological Society of America. Journal of economic entomology. Dec 1984. v. 77 (6). p. 1601-1607. Includes references. (NAL Call No.: DNAL 421 J822).

0411

**Soil application of insecticides for controlling three insect pests of potatoes in Washington.**

Toba, H.H. Powell, D.M. Clemson, S.C. : South Carolina Entomological Society. Journal of agricultural entomology. Jan 1986. v. 3 (1). p. 87-99. Includes references. (NAL Call No.: DNAL SB599.J69).

0412

**Soil treatment with systemic insecticide for control of green peach aphids and Colorado potato beetles, test 2, 1978 (Myzus persicae, Leptinotarsa decemlineata).**

Powell, D.M. Mondor, W.T. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 93-94. (NAL Call No.: SB950.A1I49).

0413

**Soil treatments for control of green peach aphids, tuber flea beetles and Colorado potato beetles, test 3, 1979 (Myzus persicae, Epitrix tuberis, Leptinotarsa decemlineata).**

Powell, D. Mondor, W.T. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 94-95. (NAL Call No.: SB950.A1I49).

0414

**Soil treatments of experimental insecticides for control of aphids and Colorado potato beetles on potatoes, 1981 (Myzus persicae, Leptinotarsa decemlineata).**

Powell, D.M. Warren, J.W. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 104-105. (NAL Call No.: SB950.A1I49).

0415

**Soil treatments with systemic insecticides for control of green peach aphids and Colorado potato beetles, test 5, 1979 (Myzus persicae, Leptinotarsa decemlineata).**

Powell, D. Mondor, W. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 95-96. (NAL Call No.: SB950.A1I49).

0416

**Suppression of Colorado potato beetle, Leptinotarsa decemlineata (Say), (Coleoptera:Chrysomelidae) populations with antifeedant fungicides.**

Hare, J.D.EVETB. Logan, P.A.; Wright, R.J. College Park : Entomological Society of America. Environmental entomology. Oct 1983. v. 12 (5). p. 1470-1477. Includes references. (NAL Call No.: QL461.E532).

0417

**Suppression of the Colorado potato beetle, Leptinotarsa decemlineata (Say) (Coleoptera:Chrysomelidae), on solanaceous crops with a copper-based fungicide.**

EVETEX. Hare, J.D. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1984. v. 13 (4). p. 1010-1014. Includes references. (NAL Call No.: DNAL QL461.E532).

0418

**A survey of potato species for resistance to the mite Polyphagotarsonemus latus, with particular reference to the protection of Solanum berthaultii and Solanum tarijense by glandular hairs.**

Gibson, R.W. Valencia, L. Wageningen, European Association for Potato Research. Potato research. Sept 1978. v. 21 (3). p. 217-223. 111. 12 ref. (NAL Call No.: 75.8 EU7).

0419

**Survival of inoculum of the entomopathogenic fungus Beauveria bassiana as influenced by fungicides (Colorado potato beetle, Leptinotarsa decemlineata).**

Loria, R.EVETB. Galaini, S.; Roberts, D.W. College Park : Entomological Society of America. Environmental entomology. Dec 1983. v. 12 (6). p. 1724-1726. Includes references. (NAL Call No.: QL461.E532).

0420

**Susceptibility of the Colorado potato beetle *Leptinotarsa decemlineata* to *Bacillus thuringiensis* (Biological control).**

Ignoffo, C.M. Garcia, C.; Kroha, M. New York, Academic Press. Journal of invertebrate pathology. Mar 1982. v. 39 (2). p. 244-246. (NAL Call No.: 421 J826).

0421

**The sweet potato flea beetle : its subterranean damage, ecology, and control (Coleoptera: chrysomelidae) / by Michael Tysowsky.**

Tysowsky, Michael, 1942. 1971. Thesis (Ph.D.)--University of Maryland, 1976. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. vi, 79 leaves ; 21 cm. Bibliography: leaves 78-79. (NAL Call No.: DISS 72-10,091).

0422

**Sweet potato, soil insect control, Jeff Davis Co., 1978 (*Conoderus falli*, *Chaetocnema confinis*, Georgia).**

Chalfant, R.B. Stacey, L. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 106. (NAL Call No.: SB950.A1I49).

0423

**Sweet potato, soil insect control, Tift Co., 1978 (*Conoderus falli*, *Chaetocnema confinis*, *Graphognathus* spp., Georgia).**

Chalfant, R.B. Stacey, L. College Park : Entomological Society of America. Insecticide and acaricide tests. 1980. v. 5. p. 106-107. (NAL Call No.: SB950.A1I49).

0424

**Sweet potato soil insects and their control.**

Hofmaster, R.N. Norfolk, Va., The Service. The Vegetable growers news - Virginia Polytechnic Institute and State University, Cooperative Extension Service. June 1981. v. 35 (12). p. 2-3. (NAL Call No.: 275.28 V52).

0425

**The sweet-potato weevil and its control/ F.H. Chittenden. -.**

Chittenden, F. H. Washington, D.C. : U.S. Dept. of Agriculture, 1919. 24 p. : ill. -. Includes bibliographical references. (NAL Call No.: DNAL Fiche S-70 no.1020).

0426

**Synthetic pyrethroid sprays for control of aphids and mites on potatoes, 1981 (*Myzus persicae*, *Tetranychus urticae*).**

Powell, D. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 106-107. (NAL Call No.: SB950.A1I49).

0427

**Synthetic pyrethroid sprays for control of Colorado potato beetle on potatoes, 1981 (*Leptinotarsa decemlineata*).**

Powell, D.M. College Park : Entomological Society of America. Insecticide and acaricide tests. 1982. v. 7. p. 105-106. (NAL Call No.: SB950.A1I49).

0428

**Temperature-dependent model for predicting field populations of green peach aphid, *Myzus persicae* (Homoptera: Aphididae) (in potato fields).**

Whalon, M.E. Smilowitz, Z. Ottawa, Entomological Society of Canada. Canadian entomologist. Sept 1979. v. 111 (9). p. 1025-1032. ill. 16 ref. (NAL Call No.: 421 C16).

0429

**Time of tuber infestation and relationships between pheromone catches of adult moths, foliar larval populations, and tuber damage by the potato tuberworm (*Phthorimaea operculella*).**

Shelton, A.M. Wyman, J.A. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 15, 1979. v. 72 (4). p. 599-601. ill. 11 ref. (NAL Call No.: 421 J822).

0430

**Timing of insecticides for control of Colorado potato beetle (Coleoptera: Chrysomelidae) in eastern Virginia based on differential susceptibility of life stages.**

JEENAI. Zehnder, G.W. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1986. v. 79 (3). p. 851-856. Includes references. (NAL Call No.: DNAL 421 J822).

0431

**Transmission of potato leaf roll virus by the green peach aphid (*Myzus persicae*).**

Holbrook, F.R. College Park, Md. Annals Entomological Society of America. Nov 1978. v. 71 (6). p. 830-831. 8 ref. (NAL Call No.: 420 EN82).



## (PESTS OF PLANTS - INSECTS)

0432

**Transmission of the potato blackleg pathogen (*Erwinia carotovora* subsp. *atroseptica*) by European corn borer larvae (*Ostia nubilalis*, biological control, North Carolina).**

Anderson, T.E. Echandi, E.; Kennedy, G.G. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1981. v. 74 (5). p. 630-633. 19 ref. (NAL Call No.: 421 J822).

0433

**Use of double sample plans in insect sampling with reference to the Colorado potato beetle, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae).**

EVETEX. Nyrop, J.P. Wright, R.J. College Park, Md.: Entomological Society of America. Environmental entomology. Oct 1985. v. 14 (5). p. 644-649. Includes references. (NAL Call No.: DNAL QL461.E532).

0434

**Variegated cutworm (Lepidoptera: Noctuidae): leaf-area consumption, feeding site preference, and economic injury level calculation for potatoes.**

JEENAI. Shields, E.J. Rouse, D.I.; Wyman, J.A. College Park, Md.: Entomological Society of America. Journal of economic entomology. Oct 1985. v. 78 (5). p. 1095-1099. Includes references. (NAL Call No.: DNAL 421 J822).

0435

**Weed, insect, and disease control guide: potatoes.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pfleger, F. L.; Bissonnette, Howard L. & Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for potatoes. 7 p.: ill. (NAL Call No.: Document available from source.). (NAL Call No.: Ext. Folder 594).

0436

**Wireworm control in potatoes (*Limonius canus*, *Limonius californicus*, *Ctenicera pruinina*).**

Toba, H.H. Retan, A. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Sept 1981. Sept 1981. (0955). 2 p. ill. (NAL Call No.: 275.29 W27P).

0437

**Wireworm control in potatoes (*Limonius canus*, *Limonius californicus*, *Ctenicera pruinina*, life cycle).**

Toba, H.H. Retan, A. Pullman, Wash.: The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. June 1984. June 1984. (0955, rev.). 2 p. ill. (NAL Call No.: 275.29 W27P).

0438

**Wireworm (*Ctenicera pruinina*, *Limonius canus*) injury to potatoes in relation to tuber weight.**

Toba, H.H. Turner, J.E. College Park, Md., Entomological Society of America. Journal of economic entomology. Oct 1981. v. 74 (5). p. 514-516. ill. (NAL Call No.: 421 J822).

0439

**The 4-H potato project.**

Peek, Bill L. Romanowski, Roman R. 1978. This manual includes information on selection of potato patch, planting, weed and pest control, harvesting and storing potatoes. It stresses the importance of good record-keeping. Document available from: 4-H Department, Purdue University, Agricultural Administration Building, West Lafayette, Indiana 47907. Publication intended for: Member, Elementary, Junior and Senior High Level. Learning Experience: Knowledge, skills, practices. (30) p. in various pagings.: ill. (NAL Call No.: S533.F66I6). (NAL Call No.: 4H-229).

0440

**Criteria of biological effectiveness of *Chrysopa carnea* in the control of Colorado potato beetle (*Leptinotarsa decemlineata*) on potato crops.**

Shuvakhina, E.IA. Leningrad, Institut. Biulletin'. Vsesoiuznyi nauchno-issledovatel'skii institut Zashchity rastenii. 1977. 1977. (41). p. 3-6. ill. 8 ref. (NAL Call No.: SB599.V8).

0441

**Current problems relating to protection of field crops. 4. Fungicide and insecticide warnings in potatoes, factors of reliability and economy. FRENCH.**

Fouarge, G. Olivier, J. Bruxelles. Revue de l'agriculture. Mar/Apr 1979. v. 32 (2). p. 439-443. (NAL Call No.: 13 R322).

0442

Forecast of the area of distribution of Colorado potato beetle (*Leptinotarsa decemlineata*) on the Asian territory of the USSR. RUSSIAN.

Vlasova, V.A. Moskva, Izdatel'stvo "Kolos". Zashchita rastenii. June 1978. June 1978. (6). p. 44-45. (NAL Call No.: 421 Z1).

0446 0447

A preliminary study on the bionomics of the galerucid beetle, *Monolepta hieroglyphica* (Motschulsky) (Pest to corn, kaoliang, rice, legumes, potatoes, vegetables in China). A preliminary study on the bionomics of the galerucid beetle, *Monolepta hieroglyphica* (Motschulsky) (Pest to corn, kaoliang, rice, legumes, potatoes, vegetables in China). CHINESE. CHINESE.

Peking, K'o hsueh ch'u pan she. Peking, K'o hsueh ch'u pan she. K'un ch'ung hsueh pao. Acta entomologica sinica. K'un ch'ung hsueh pao. Acta entomologica sinica. Feb 1979. Feb 1979. v. 22 (1). v. 22 (1). p. 115-117. ill. p. 115-117. ill. (NAL Call No.: 421 K96). (NAL Call No.: 421 K96).

0443

Potato pests (Mexico). SPANISH.

Sanchez Estrada, C. Mexico, D. F. (s.n.). Tierra. Aug 1978. v. 33 (8). p. 345-346. ill. (NAL Call No.: 8 T445).

0444

Potato quality injured by potato pests (Mexico). SPANISH.

Aleman de O, M.A. Mexico, D. F. (s.n.). Tierra. July 1978. v. 33 (7). p. 294, 333. (NAL Call No.: 8 T445).

0445

Preliminary report on the parasitoids (*Apanteles bisulcata*) of lepidopterous insects (*Ochyrotica concursa*, *Alucita niveodactyla*) of sweetpotato in Taiwan. CHINESE.

Chiu, J.C. Chou, L.I. Taipei, T'ai-wan sheng nung yeh shih yen so. Chung-hua nung yeh yen chiu Journal of agricultural research of China. Mar 1978. v. 27 (1). p. 61-66. ill. 8 ref. (NAL Call No.: 22.5 AG823).

0448

Preparations for the control of Colorado potato beetle (*Leptinotarsa decemlineata*). RUSSIAN.

Abelentseva, G.M. Sedykh, A.S. Moskva, Ministerstvo sel'skogo khoziaistva SSSR. Khimiia v sel'skom khoziaistve. 1978. v. 16 (1). p. 40-43. ill. 8 ref. (NAL Call No.: 385

K524).

0449

Present situation of crop protection in Palencia Province, Spain (Insect pests, fungal diseases, nematodes, field crops, potatoes, forest trees). SPANISH.

Sanchez Boccherini, J. Madrid. Agricultura. Aug 1978. v. 47 (556). p. 625-626. ill. (NAL Call No.: 15 AG84).

0450

Present state and prospects of the protection of potatoes against Colorado beetle (*Leptinotarsa decemlineata*). CZECH.

Vanurova, E. Bratislava, Vyskumny ustav agrochemickej technologie. Agrochemia. 1978. v. 18 (10). p. 299-306. ill. 35 ref. (NAL Call No.: 385 AG88).



# PESTS OF PLANTS -- NEMATODES

0451

**Application rates and methods for Nemacur 3 SC for nematode control on sweetpotato, 1979** (Sweetpotato (*Ipomoea batatas* 'Centennial'), root-knot nematode; *Meloidogyne incognita*, reniform nematode; *Rotylenchus reniformis*). Clark, C.A. Birchfield, W.; Yik, C.P.; Boniol, D.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 222. (NAL Call No.: 464.9 AM31R).

0452

**Comparison of soil fumigant with Ethoprop for reniform nematode control in sweetpotato, 1982** (*Rotylenchus reniformis*, *Ipomoea batatas*). Clark, C.A. FNETD. Strand, C.; Watson, B. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 12-13. (NAL Call No.: 464.9 AM31R).

0453

**Comparisons of nematode control and potato yields in large plots treated with different combinations during 1977-1981** (*Belonolaimus longicaudatus*, *Meloidogyne incognita*, corky ringspot disease, Florida). Weingartner, D.P. Shumaker, J.R. S.l., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 141-144. Includes 9 ref. (NAL Call No.: 81 F66).

0454

**Control of *globodera rostochiensis* in relation to method of applying nematicides** (Potato cyst nematode, USA). Brodie, B.B. Ames, Iowa : Society of Nematologists. Journal of nematology. Oct 1983. v. 15 (4). p. 491-495. Includes references. (NAL Call No.: QL391.N4J62).

0455

**Control of *Meloidogyne chitwoodi* in commercially grown Russet Burbank potatoes.** PLDRA. Pinkerton, J.N. Santo, G.S.; Ponti, R.P.; Wilson, J.I. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1986. v. 70 (9). p. 860-863. Includes 16 references. (NAL Call No.: DNAL 1.9 P69P).

0456

**Control of *Meloidogyne chitwoodi* on potato with DD, 1983.** FNETD. Santo, G.S. Ponti, R.P.; Wilson, J.H. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 106-107. (NAL Call No.: DNAL 464.9 AM31R).

0457

**Control of *Meloidogyne chitwoodi* on potato with Mocap and Temik, 1982.** FNETD. Santo, G.S. Ponti, R.P.; Wilson, J.H. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 104. (NAL Call No.: DNAL 464.9 AM31R).

0458

**Control of *Meloidogyne chitwoodi* on potato with soil fumigants alone and in combination with nonfumigants, 1983.** FNETD. Santo, G.S. Ponti, R.P.; Wilson, J.H. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 107. (NAL Call No.: DNAL 464.9 AM31R).

0459

**Control of *Meloidogyne hapla* on potato with Furadan and Temik, 1978** (Potato (*Solanum tuberosum* 'Russet Burbank'), root-knot nematode; *Meloidogyne hapla*). Santo, G.S. Ponti, R.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 220. (NAL Call No.: 464.9 AM31R).

0460

**Control of *Meloidogyne hapla* on potato, 1978** (Potato (*Solanum tuberosum* 'Russet Burbank'), root-knot nematode; *Meloidogyne hapla*). Santo, G.S. Ponti, R.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 219. (NAL Call No.: 464.9 AM31R).

0461

**Control of *Meloidogyne* spp. on Russet Burbank potato by applying metham sodium through center pivot irrigation systems.** JONEB. Santo, G.S. Qualls, M. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Apr 1984. v. 16 (2). p. 159-161. Includes 4 references. (NAL Call No.: DNAL QL391.N4J62).

0462

Control of nematodes on white-fleshed sweetpotatoes with Vydate, 1982 (*Rotylenchus reniformis*, *Helicotylenchus dihystra*, *Quinisulcius acutus*, *Ipomoea batatus*).  
McSorley, R.FNETD. Parrado, J.L. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 13. (NAL Call No.: 464.9 AM31R).

0463

Control of root-knot nematodes and the Colorado potato beetle (*Leptinotarsa decemlineata*) on potatoes with in-furrow applications of systemic nematicides (Alabama).  
Rodriguez-Kabana, R. King, P.S.; Pope, M.H. Gainesville, Fla., Organization of Tropical American Nematologists. Nematropica. June 1981. v. 11 (1). p. 17-25. ill. 12 ref. (NAL Call No.: SB998.N4N4).

0464

Control of root-knot nematodes on potato with soil fumigants, 1982.  
FNETD. Santo, G.S. Ponti, R.P.; Wilson, J.H. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 105. (NAL Call No.: DNAL 464.9 AM31R).

0465

Control of root-knot nematodes on potato, 1979 (Potato (*Solanum tuberosum* 'Russet Burbank'), root-knot nematode; *Meloidogyne hapla*, *Meloidogyne chitwoodi*).  
Santo, G.S. Ponti, R.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 180-181. (NAL Call No.: 464.9 AM31R).

0466

Control of root-knot nematode on potato with Mocap and Dyfonate, 1983.  
FNETD. Santo, G.S. Ponti, R.P.; Wilson, J.H. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 105-106. (NAL Call No.: DNAL 464.9 AM31R).

0467

Development of *Meloidogyne incognita* in stored potato tubers.  
Jatala, P. Booth, R.H.; Wiersema, S.G. Ames, Iowa, Society of Nematologists. Journal of nematology. Jan 1982. v. 14 (1). p. 142-143. ill. Includes 4 ref. (NAL Call No.: QL391.N4J62).

0468

Effects of host variety, photoperiod and chemical treatments on hatching of *Globodera rostochiensis* (Potato cyst-nematode).  
Evans, K. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1982. v. 14 (2). p. 203-207. ill. Includes 12 ref. (NAL Call No.: QL391.N4J62).

0469

Efficacy of sweep-shank fumigation with 1,3-dichloropropene against *Pratylenchus penetrans* and subsequent groundwater contamination.  
PLDRA. Loria, R. Eplee, R.E.; Baier, J.H.; Martin, T.M.; Moyer, D.D. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1986. v. 70 (1). p. 42-45. ill. Includes 18 references. (NAL Call No.: DNAL 1.9 P69P).

0470

The employment of a non-fumigant nematicide for control of the root-knot and lesion nematodes (*Meloidogyne javanica*, *Pratylenchus brachyurus*, *Dioscorea rotundata*) on yams and crop preservation in storage.  
Badra, T. Steele, W.M.; Caveness, F.E. Gainesville, Fla., Organization of Tropical American Nematologists. Nematropica. Oct 1980. v. 10 (2). p. 81-85. ill. 13 ref. (NAL Call No.: SB998.N4N4).

0471

Evaluation of deep placement of soil fumigants for control of *Meloidogyne chitwoodi* on potato, 1983.  
FNETD. Santo, G.S. Ponti, R.P.; Wilson, J.H. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 108. (NAL Call No.: DNAL 464.9 AM31R).

0472

Evaluation of nematicide for control of root-lesion nematode in potato production, 1983.  
FNETD. Bird, G.W. Graney, L.; Davenport, J. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 103-104. (NAL Call No.: DNAL 464.9 AM31R).



## (PESTS OF PLANTS - NEMATODES)

0473

**Evaluation of nematicide treatments for control of *Pratylenchus penetrans* on potatoes, 1981 (Potato (*Solanum tuberosum* 'Superior'), root lesion nematode; *Pratylenchus penetrans*).**

Loria, R. Taborsky, B.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 197. (NAL Call No.: 464.9 AM31R).

0474

**Field evaluation of sweet potato clones for reaction to root-knot and stubby root nematodes in California (*Ipomoea batatas*, *Meloidogyne incognita*, *Paratrichodorus minor*, soil fumigation).**

Roberts, P.A. Scheuerman, R.W. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1984. v. 19 (2). p. 270-273. Includes references. (NAL Call No.: SB1.H6).

0475

**Granular nematicides for control of the yam nematode, *Scutellonema bradys*, and relevant residues in raw tubers.**

Adesiyan, S.O. Badra, T. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1982. v. 14 (2). p. 213-216. ill. Includes 18 ref. (NAL Call No.: QL391.N4J62).

0476

**Host-parasite relationship of *Meloidogyne chitwoodi* on potato.**

JONEB. Griffin, G.D. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Oct 1985. v. 17 (4). p. 395-399. Includes 11 references. (NAL Call No.: DNAL QL391.N4J62).

0477

**Insect and nematode control recommendations for table beets, carrots, parsnips, sweet potatoes, and turnips.**

Toscano, N.C. (comp.). CA. Burton, V.; Hart, W.; Johnson, D.; Radewald, J.; Thomason, I.; Toscano, N.; Lang, W.; Stimmann, M. Berkeley, The Service. Leaflet - Division of Agricultural Sciences, University of California. California. University, Berkeley. Cooperative Extension Service. Dec 1979. Dec 1979. (2750). 7 p. ill. (NAL Call No.: S544.3.C2C3).

0478

**Layby applications of ethoprop following preplant applications of ethoprop or ethylene dibromide plus chloropicrin for reniform nematode control on sweetpotato, 1980 (Sweetpotato (*Ipomoea batatas* 'Centennial'), reniform; *Rotylenchulus reniformis*).**

Clark, C.A. Birchfield, W.; Watson, B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 182. (NAL Call No.: 464.9 AM31R).

0479

**Lesion nematode involvement in potato early dying disease.**

APQJA. Riedel, R.M. Rowe, R.C. Orono, Me. : Potato Association of America. American potato journal. Paper presented at the "Potato Early Dying Symposium" in Presque Isle, Maine, 1984. Apr 1985. v. 62 (4). p. 163-171. Includes 16 references. (NAL Call No.: DNAL 75.8 P842).

0480

**Management of *Globodera rostochiensis* as influenced by nematode population densities and soil type.**

JONEB. LaMondia, J.A. Brodie, B.B.; Brucato, M.L. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Jan 1986. v. 18 (1). p. 74-78. Includes 20 references. (NAL Call No.: DNAL QL391.N4J62).

0481

**Managing nematodes in sweet potatoes with resistance and nematicides.**

CAGRA. Roberts, P.A. Scheuerman, R.W. Berkeley : The Station. California agriculture - California Agricultural Experiment Station. Mar/Apr 1984. v. 38 (3/4). p. 26-27. (NAL Call No.: DNAL 100 C12CAG).

0482

**Miscellaneous nematicides for reniform nematode control on sweetpotato, 1980 (Sweetpotato (*Ipomoea batatas* 'Centennial'), reniform nematode; *Rotylenchulus reniformis*).**

(s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 182. (NAL Call No.: 464.9 AM31R).

0483

**Miscellaneous nematicides for reniform nematode control on sweetpotato, 1981 (Sweetpotato (*Ipomoea batatas* 'Centennial'), reniform nematode; *Rotylenchulus reniformis*).**

Birchfield, W. Clark, C.A.; Watson, B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 200. (NAL Call No.: 464.9 AM31R).



0484

**Nematicide evaluation for the control of the nematodes of yam (*Dioscorea rotundata* Poir).**  
JAUPA. Roman, J. Oramas, D.; Green, J. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Apr 1984. v. 68 (2). p. 157-162. Includes 19 references. (NAL Call No.: DNAL 8 P832J).

0485

**Nematicide evaluations for root lesion nematode control, 1980 (Potato (*Solanum tuberosum* 'Superior'), root lesion nematode; *Pratylenchus penetrans*).**  
Taborsky, B.A. Loria, R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 181. (NAL Call No.: 464.9 AM31R).

0486

**Nematode control in large plots, year three, 1979 (Potato (*Solanum tuberosum* 'Sebago'), nematode complex; *Belonolaimus longicaudatus*, *Meloidogyne incognita*, *Paratrichodorus* spp.).**  
Weingartner, D.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 220. (NAL Call No.: 464.9 AM31R).

0487

**Pests not known to occur in the United States or of limited distribution. 68.**  
Friedman, W. Hyattsville, Md. : The Service. APHIS 81 - U.S. Department of Agriculture, Animal and Plant Health Inspection Service. Sept 1985. (46). p. 950104. ill., maps. Includes references. (NAL Call No.: DNAL aSB599.A3U5).

0488

**Pests not known to occur in the United States or of limited distribution. 69.**  
Friedman, W. Hyattsville, Md. : The Service. APHIS 81 - U.S. Department of Agriculture, Animal and Plant Health Inspection Service. Sept 1985. (46). p. 105-113. ill., maps. Includes references. (NAL Call No.: DNAL aSB599.A3U5).

0489

**Root growth of susceptible and resistant potato cultivars and population dynamics of *Globodera rostochiensis* in the field.**  
JONEB. Rawsthorne, D. Brodie, B.B. Raleigh, N.C. : Society of Nematologists. Journal of nematology. Oct 1986. v. 18 (4). p. 501-504. Includes references. (NAL Call No.: DNAL

QL391.N4J62).

0490

**Transplant water application of aldoxycarb for nematode control in sweetpotato, 1979 (Sweetpotato (*Ipomoea batatas* 'Centennial'), root-knot nematode; *Meloidogyne incognita*, reniform nematode; *Rotylenchulus reniformis*).**  
Birchfield, W. Clark, C.A.; Yik, C.P.; Boniol, D.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 222. (NAL Call No.: 464.9 AM31R).

0491

**Use of oxamyl for the control of the nematodes in yam (*Dioscorea rotundata* Poir).**  
JAUPA. Roman, J. Oramas, D.; Green J. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Oct 1984. v. 68 (4). p. 383-386. Includes 8 references. (NAL Call No.: DNAL 8 P832J).

0492

**Biological control with the fungus *Paecilomyces lilacinus*: Progress to date and possibilities for collaborative research between CIP and IMP collaborators. Spanish.**  
Jatala, P. Raleigh : North Carolina State University, Dept. of Plant Pathology, 1983. Proceedings of the Third Research & Planning Conference on Root-Knot Nematodes, *Meloidogyne* spp. : region II, March 22-26, 1982. English translation p. 214-218. p. 209-218. (NAL Call No.: DNAL SB998.N4R4 1982).

# PLANT DISEASES - GENERAL

0493

**Advances in potato pest management / edited by James H. Lashomb and Richard Casagrande.**  
Lashomb, James H.; Casagrande, Richard.  
Stroudsburg, Pa. Hutchinson Ross (New York)  
Distributed world wide by Academic Press c1981.  
"Proceedings of a conference ... held at  
Rutgers University, January 23-25, 1980"--Pref.  
xii, 288 p. : ill. ; 25 cm. Includes  
bibliographies. (NAL Call No.: SB608.P8A34).

0494

**Control of potato-tuber diseases by Michael Shapovalov and George K.K. Link . -.**  
Shapovalov, Michael. Washington, D.C. : U.S.  
Dept. of Agriculture, 1926. 38 p. : ill. -.  
(NAL Call No.: DNAL Fiche S-70 no.1367 1926).

0495

**Deceptive potato diseases.**  
WAEBA. Bohnenblust, K.E. Laramie : The Station.  
Bulletin - B - Wyoming, Agricultural Experiment  
Station. Nov 1984. (836). 4 p. Includes 22  
references. (NAL Call No.: DNAL 100 W99 (1)).

0496

**Development of modern IPM (integrated pest management) control techniques for potato tuber diseases (Research project, Maine).**  
Leach, S.S.MAMRA. Murdoch, C.; Bandy, B.;  
Potaro, L.; Specht, L. Orono : The Station.  
Miscellaneous report - Life Sciences and  
Agriculture Experiment Station, University of  
Maine. 1982. 1982. (278). p. 95-97. (NAL Call  
No.: 100 M28M).

0497

**Integrated pest management--biological control of potato pathogens (Research project, Maine).**  
Murdoch, C.W.MAMRA. Leach, S.S.; Potaro, L.J.  
Orono : The Station. Miscellaneous report -  
Life Sciences and Agriculture Experiment  
Station, University of Maine. 1982. 1982.  
(278). p. 98-100. (NAL Call No.: 100 M28M).

0498

**Irish potato diseases: prevention and control.**  
Barnes, G.L. Conway, K.E. Stillwater : The  
Service. OSU extension facts - Cooperative  
Extension Service, Oklahoma State University.  
June 1983. June 1983. (7635). 6 p. ill. (NAL  
Call No.: S544.3.0505).

0499

**Major disease pests.**  
Moyer, J.W. Boca Raton, Fla. : CRC Press,  
c1985. Sweet potato products : a natural  
resource for the tropics / editor, John C.  
Bouwkamp. Literature review. p. 35-57. ill.  
Includes 141 references. (NAL Call No.: DNAL  
TP444.S94S94).

0500

**Managing potato production for optimal plant health.**  
PLDRA. Rowe, R.C. St. Paul, Minn. : American  
Phytopathological Society. Plant disease. Apr  
1986. v. 70 (4). p. 354-356. (NAL Call No.:  
DNAL 1.9 P69P).

0501

**A monographic study of sweet-potato diseases and their control /by L.L. Harter and J.L. Weimer.**  
Harter, L. L. Weimer, J. L.,. Washington : U.S.  
Dept. of Agriculture, 1929. Cover title. 118  
p., 26 p. of plates : ill. ; 23 cm. Literature  
cited: p. 108-117. (NAL Call No.: DNAL 1 Ag84Te  
no.99).

0502

**Potato diseases / by Avery E. Rich.**  
Rich, Avery E. New York Academic Press 1983.  
Includes index. xiv, 238 p. : ill. ; 24 cm.  
Bibliography: p. 199-225. (NAL Call No.:  
SB608.P8R43).

0503

**Potato diseases and their control by T.P. Dykstra . -.**  
Dykstra, T. P. 1896. Washington, D.C. : U.S.  
Dept. of Agriculture, 1948. 53 p. : ill. -.  
(NAL Call No.: DNAL Fiche S-70 no.1881 1948).

0504

**Potato tuber diseases: management before and after harvest.**  
OSSBA. Rowe, R.C. Columbus : The Service.  
Bulletin - Ohio State University, Cooperative  
Extension Service. Feb 1986. (739). 19 p. (NAL  
Call No.: DNAL 275.29 OH32).

0505

**Weed, insect, and disease control guide:  
potatoes.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren,  
John A.; Noetzel, David M.; Pfleger, F. L.;  
Bissonnette, Howard L. & Commercial vegetable.  
Document available from: University of  
Minnesota, Bulletin Room, 1420 Eckles Avenue,  
St. Paul, Minnesota 55108 1981. Lists  
herbicide, insecticide and fungicide  
suggestions for potatoes. 7 p. : ill. (NAL Call  
No.: Document available from source.). (NAL Call  
No.: Ext. Folder, 594).



# PLANT DISEASES - FUNGAL

0506

**Alternaria alternata: A new pathogen on stored potatoes (Responsible for a black pit disease on mechanically harvested potato tubers, Israel).**

Droby, S. Prusky, D.; Dinoor, A.; Barkai-Golan, R. St. Paul, American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 160-161. ill. Includes references. (NAL Call No.: 1.9 P69P).

0507

**Analysis of potato late blight (Phytophthora infestans) epidemiology by simulation modeling (Fungicide spray schedules).**

Bruhn, J.A. Fry, W.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. June 1981. v. 71 (6). p. 612-616. 29 ref. (NAL Call No.: 464.8 P56).

0508

**Approaches to control of potato early dying caused by Verticillium dahliae.**

APQJA. Davis, J.R. Orono, Me. : Potato Association of America. American potato journal. Paper presented at the "Potato Early Dying Symposium" in Presque Isle, Maine, 1984. Apr 1985. v. 62 (4). p. 177-185. Includes 19 references. (NAL Call No.: DNAL 75.8 P842).

0509

**Biochemical characteristics of potato clones differing in blackspot susceptibility.**

APQJA. Stark, J.C. Corsini, D.L.; Hurley, P.J.; Dwelle, R.B. Orono, Me. : Potato Association of America. American potato journal. Dec 1985. v. 62 (12). p. 657-666. Includes 16 references. (NAL Call No.: DNAL 75.8 P842).

0510

**Biochemical response and its control in the Irish potato tuber (Solanum tuberosum)-Phytophthora infestans interaction / by Jerry Lee Varns.**

Varns, Jerry Lee, 1942. 1970. Thesis (Ph.D.)--Purdue University, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. xii, 148 leaves ; 21 cm. Bibliography: leaves 142-147. (NAL Call No.: DISS 71-2,702).

0511

**Biological control of Rhizoctonia stem canker and black scurf of potato.**

PHYTAJ. Beagle-Ristaino, J.E. Papavizas, G.C. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1985. v. 75 (5). p. 560-564. Includes 27 references. (NAL Call No.: DNAL 464.8 P56).

0512

**Biology and control of seed-borne and foliar diseases of potato (Research projects, Maine).**

Manzer, F. MAMRA. Saltsman, P.; Giggie, E.; Grounds, G. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 25-28. (NAL Call No.: 100 M28M).

0513

**Blitecast in retrospect--a look at which was learned.**

PPRBA. MacKenzie, D.R. Rome : World Reporting Service on Plant Diseases and Pests, FAO. Plant protection bulletin. 1984. v. 32 (2). p. 45-49. Includes 11 references. (NAL Call No.: DNAL 421 P692).

0514

**Chemical control of late blight and early blight of potato, 1980 (Potato (Solanum tuberosum 'Santo Amor'), late blight; Phytophthora infestans, early blight; Alternaria solani).**

Reifschneider, F.J.B. Lopes, C.A.; Siqueira, C.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 71-72. (NAL Call No.: 464.9 AM31R).

0515

**Chemical control of pink rot of potato (Phytophthora erythroseptica Pethyb.).**

APQJA. Torres, H. Martin, C.; Henfling, J. Orono, Me. : Potato Association of America. American potato journal. July 1985. v. 62 (7). p. 355-361. Includes 4 references. (NAL Call No.: DNAL 75.8 P842).

0516

**Common scab of potato.**

Stevenson, W. R. Scott, D. H.; Pecknold, P. C. & Plant disease control. Document available from: Purdue University, Publication Mailing Room, 301 South Second Street, Lafayette, Indiana 47905 1975. Includes common scab symptoms, cause and control. 1 sheet : ill. (NAL Call No.: Document available from source.). (NAL Call No.: BP-8-3).

0517

**Comparison of a controlled droplet and a conventional sprayer for application of fungicides to control potato late blight (Phytophthora infestans).**

Platt, H.W. Campbell, A.J. Orono, Me., Potato Association of America. American potato

journal. July 1982. v. 59 (7). p. 351-355. ill.  
2 ref. (NAL Call No.: 75.8 P842).

0518

**Comparison of forecasting methods for control of potato early blight in Wisconsin.**  
PLDRA. Pscheidt, J.W. Stevenson, W.R. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1986. v. 70 (10). p. 915-920. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0519

**Comparison of fungicides for control of potato early blight, 1981 (Potato (*Solanum tuberosum* 'Russet Burbank'), early blight; *Alternaria solani*).**  
Groskopp, M.D. Stevenson, W.R. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 74-75. (NAL Call No.: 464.9 AM31R).

0520

**Computer simulation raises question about timing protectant fungicide application frequency according to a potato late blight forecast. Blitecast.**  
PHYTAJ. Fohner, G.R. Fry, W.E.; White, G.B. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Oct 1984. v. 74 (10). p. 1145-1147. Includes 10 references. (NAL Call No.: DNAL 464.8 P56).

0521

**Control of acid scab with seed piece fungicide and systemic insecticide treatments, 1979 (Potato (*Solanum tuberosum* 'Katahdin'), acid scab; *Streptomyces* sp.).**  
Manzer, F.E. Smith, D.P.; Giggie, A.E.; Storch, R.H.; Sewell, G.H. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 186. (NAL Call No.: 464.9 AM31R).

0522

**Control of black scurf, 1978-79 (Potato (*Solanum tuberosum* 'Kufri Chandramukhi'), black scurf; *Rhizoctonia solani*).**  
Singh, R.S. Vishwakarma, S.N.; Singh, V.B. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1981. v. 36. p. 160. (NAL Call No.: 464.9 AM31R).

0523

**Control of black scurf, 1978-79 (Potato (*Solanum tuberosum* 'Kufri Chandramukhi'), black scurf; *Rhizoctonia solani*).**  
Singh, R.S. Vishwakarma, S.N.; Singh, V.B. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 187-188. (NAL Call No.: 464.9 AM31R).

0524

**Control of black scurf, 1979 (Potato (*Solanum tuberosum* 'Kufri Chandramukhi'), black scurf; *Rhizoctonia solani*).**  
Dutt, B.L. Dhesi, S.S.; Singh, G.; Sharma, K.G. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 80-81. (NAL Call No.: 464.9 AM31R).

0525

**Control of early and late blight of potatoes with fungicides, 1980 (Potato (*Solanum tuberosum* 'Katahdin', 'Kennebec'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).**  
Rowe, R.C. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1981. v. 36. p. 72-73. (NAL Call No.: 464.9 AM31R).

0526

**Control of early blight of potatoes with fungicides, 1981 (Potato (*Solanum tuberosum* 'Kathdin'), early blight; *Alternaria solani*).**  
Rowe, R.C. Thuma, B.A. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 79. (NAL Call No.: 464.9 AM31R).

0527

**Control of early blight of potatoes with fungicides, 1982 (*Alternaria solani* and late blight, *Phytophthora infestans* on *Solanum tuberosum*).**  
Rowe, R.C. FNETD. Mihuta, L.J. (s.l.) : The Society. Fungicide and nematocide tests : results - American Phytopathological Society. 1983. v. 38. p. 105-106. (NAL Call No.: 464.9 AM31R).

0528

**Control of early blight with fungicides injected through center-pivot irrigation, 1979 (Potato (*Solanum tuberosum* 'Monona'), early blight; *Alternaria solani*).**  
Thomson, S.V. (s.l.), The Society. Fungicide and nematocide tests; results - American



## (PLANT DISEASES - FUNGAL)

Phytopathological Society. 1980. v. 35. p. 85.  
(NAL Call No.: 464.9 AM31R).

(NAL Call No.: 464.9 AM31R).

0529

### **Control of Fusarium seedpiece decay of white potatoes.**

Baldwin, R.E. Virginia Beach, Va. : Virginia Polytechnic Inst. and State University Cooperative Ext. Service. The Vegetable growers news. Nov/Dec 1985. v. 40 (3). p. 1, 4. (NAL Call No.: DNAL 275.28 V52).

0530

### **Control of Fusarium seedpiece decay (Seed potatoes).**

Baldwin, R.E. Francis, J.A. Norfolk, Va., The Service. The Vegetable growers news - Virginia Polytechnic Institute and State University, Cooperative Extension Service. Mar 1981. v. 35 (9). p. 1, 3. (NAL Call No.: 275.28 V52).

0531

### **Control of Fusarium seedpiece decay, 1981 (Potato (*Solanum tuberosum* 'Pungo', 'Norchip'), seed piece decay; *Fusarium* spp.).**

Baldwin, R.E. Francis, J.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 166-167. (NAL Call No.: 464.9 AM31R).

0532

### **Control of late blight of potato with foliar fungicide sprays, 1981 (Potato (*Solanum tuberosum* 'Red Pontiac'), late blight; *Phytophthora infestans*).**

Jenkins, S.F. Jr. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 75. (NAL Call No.: 464.9 AM31R).

0533

### **Control of late blight of potato with fungicides, 1984.**

FNETD. Rowe, R.C. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 81-82. (NAL Call No.: DNAL 464.9 AM31R).

0534

### **Control of late blight of potato, 1979 (Potato (*Solanum tuberosum* 'Superior'), late blight; *Phytophthora infestans*).**

Campbell, T.M. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 79.

0535

### **Control of late blight of potatoes with fungicides, 1979 (Potato (*Solanum tuberosum* 'Kennebec'), late blight; *Phytophthora infestans*).**

Rowe, R.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 83-84. (NAL Call No.: 464.9 AM31R).

0536

### **Control of late blight of potatoes with fungicides, 1980 (Potato (*Solanum tuberosum* 'Sebago'), late blight; *Phytophthora infestans*).**

Segura I., G.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 73-74. (NAL Call No.: 464.9 AM31R).

0537

### **Control of late blight of potatoes with fungicides, 1981 (Potato (*Solanum tuberosum* 'Kennebec'), late blight; *Phytophthora infestans*).**

Rowe, R.C. Thuma, B.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 79-80. (NAL Call No.: 464.9 AM31R).

0538

### **Control of potato diseases with systemic and surface protectant sprays, 1979 (Potato (*Solanum tuberosum* 'Russet Burbank'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).**

Potter, H.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 69-70. (NAL Call No.: 464.9 AM31R).

0539

### **Control of potato early and late blights with foliar fungicide sprays, 1981 (Potato (*Solanum tuberosum* 'Superior'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).**

Stevenson, W.R. Gilson, F.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 80-81. (NAL Call No.: 464.9 AM31R).



0540

Control of potato early blight and late blight with foliar fungicide sprays, 1980 (Potato (*Solanum tuberosum* 'Superior'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).

Stevenson, W.R. Gilson, F.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 74-75. (NAL Call No.: 464.9 AM31R).

0541

Control of potato early blight with fungicide, 1980 (Potato (*Solanum tuberosum* 'Russet Burbank'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).

Groskopp, M.D. Stevenson, W.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 67. (NAL Call No.: 464.9 AM31R).

0542

Control of potato early dying on silt-loam with fumigants, 1981 (Potato (*Solanum tuberosum* 'Kennebec'), early dying; *Verticillium dahliae*).

Rowe, R.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 78-79. (NAL Call No.: 464.9 AM31R).

0543

Control of potato leaf spot diseases, 1979 (Potato (*Solanum tuberosum* 'Kufri Jyoti'), late blight; *Phytophthora infestans*, leaf spot; *Phoma* sp., *Alternaria solani*).

Verma, S.S. Dutt, B.L.; Singh, D.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 85. (NAL Call No.: 464.9 AM31R).

0544

Control of *Rhizoctonia* disease organisms of potato (Potato (*Solanum tuberosum* 'Norgold Russet'), *Rhizoctonia* stem canker; *Rhizoctonia solani*, *Rhizoctonia* tuber black scurf; *Rhizoctonia solani*).

Easton, G.D. Nagle, M.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 185-186. (NAL Call No.: 464.9 AM31R).

0545

Control of *Verticillium* and *Rhizoctonia* disease of potato, 1979 (Potato (*Solanum tuberosum* 'Russet Burbank'), *Verticillium* wilt; *Verticillium albo-atrum* (microsclerotial type), *Rhizoctonia* stem canker, tuber black scurf; *Rhizoctonia solani*).

Easton, G.D. Nagle, M.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 81. (NAL Call No.: 464.9 AM31R).

0546

Control of *Verticillium* wilt of potato by soil fumigation, 1982 (*Verticillium dahliae*, *Solanum tuberosum*).

Easton, G.D. FNETD. Nagle, M.E. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 103-104. (NAL Call No.: 464.9 AM31R).

0547

Control of *Verticillium* wilt of potato, 1981 (Potato (*Solanum tuberosum* 'Russet Burbank'), *Verticillium* wilt; *Verticillium dahliae*).

Easton, G.D. Nagle, M.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 74. (NAL Call No.: 464.9 AM31R).

0548

Control of *Verticillium* wilt of potato, 1982 (*Verticillium dahliae* on *Solanum tuberosum*).

Easton, G.D. FNETD. Nagle, M.E. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 103. (NAL Call No.: 464.9 AM31R).

0549

Control of *Verticillium* wilt organism of potato, 1980 (Potato (*Solanum tuberosum* 'Russet Burbank'), *Verticillium* wilt; *Verticillium albo-atrum*).

Easton, G.D. Nagle, M.E. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 66. (NAL Call No.: 464.9 AM31R).

0550

Controlling potato late blight with systemic-protectant fungicide combinations of metalaxyl and mancozeb.

APOJA. Platt, H.W. Orono, Me. : Potato Association of America. American potato journal. Oct 1985. v. 62 (10). p. 499-510. Includes 19 references. (NAL Call No.: DNAL)

## (PLANT DISEASES - FUNGAL)

75.8 P842).

0551

**Cross-resistance to four systemic fungicides in metalaxyl-resistant strains of *Phytophthora infestans* and *Pseudoperonospora cubensis* (Tested on late blight-susceptible potato cultivars and downy-mildew susceptible cucumber cultivars).**

Cohen, Y. Samoucha, Y. St. Paul. American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 137-139. Includes references. (NAL Call No.: 1.9 P69P).

0552

**Detection of potato virus X in tubers and foliage of potatoes.**

Shanta, P. Beczner, L. Budapest. Acta phytopathologica. 1978. v. 13 (3/4). p. 263-267. 8 ref. (NAL Call No.: SB731.A3).

0553

**The development of *Rhizoctonia solani* Kuhn on the underground parts of the potato plant (Black scurf).**

Spencer, D. Fox, R.A. Wageningen, European Association for Potato Research. Potato research. Mar 1979. v. 22 (1). p. 29-39. ill. 5 ref. (NAL Call No.: 75.8 EU7).

0554

**Diseases of potato: late blight.**

MUCBA. Lacy, M.L. Hammerschmidt, R. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Oct 1984. (1802,rev.). 4 p. ill. (NAL Call No.: DNAL 275.29 M58B).

0555

**Diseases of potatoes (Fungal diseases, use of fungicides).**

Hodgson, W.A. (ed.). Ottawa. Pesticide research report/Canada Committee on Pesticide Use in Agriculture. 1978. 1978. p. 462-477. ill. (NAL Call No.: 79.9 C167).

0556

**Early and late blight (*Alternaria solani* and *Phytophthora infestans*) control of white potatoes (in the Eastern Shore of Virginia).**

Baldwin, R.E. Norfolk, Virginia Polytechnic Institute Extension Service. The Vegetable growers news. Feb 1979. v. 33 (8). p. 1-2. ill. (NAL Call No.: 275.28 V52).

0557

**Early blight of potatoes.**

Claflin, Larry. 1979. This publication describes the symptoms, disease cycle, and control of *Alternaria solani*, better known as early blight, which is a fungus attacking potatoes and tomatoes. Document available from: Distribution Center, Umberger Hall, Kansas State Univ., Manhattan, KS 66506. 1 sheet. (NAL Call No.: L530).

0558

**The effect of harvest date and tuber-borne sclerotia on the severity of *Rhizoctonia* disease of potato.**

Gudmestad, N.C. Zink, R.T. Orono, Me. American potato journal. Jan 1979. v. 56 (1). p. 35-41. ill. 16 ref. (NAL Call No.: 75.8 P842).

0559

**Effect of inorganic nutrients on production of steroid glycoalkaloids by *Phytophthora infestans* race 1.2.4 in vitro (Potato pathogen, toxicity).**

Maas, M.R. Post, F.J. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Jan 1979. v. 42 (1). p. 27-30. ill. 14 ref. (NAL Call No.: 44.8 J824).

0560

**Effect of methyl glycosides and oligosaccharides on cell death and browning of potato tuber discs induced by mycelial components of *Phytophthora infestans*.**

Marcan, H. Jarvis, M.C. London. Physiological plant pathology. Jan 1979. v. 14 (1). p. 1-9. ill. 27 ref. (NAL Call No.: SB599.P45).

0561

**Effect of ozone, antioxidant protection, and early blight on potatoe in the field (*Alternaria solani*, photochemical air pollution injury).**

Bisessar, S. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. July 1982. v. 107 (4). p. 597-599. 24 ref. (NAL Call No.: 81 S012).

0562

**Effect of protectant fungicides on developmental stages of *Phytophthora infestans* in potato foliage.**

Bruck, R.I. Fry, W.E.; Apple, A.E.; Mundt, C.C. St. Paul, Minn., American Phytopathological Society. Phytopathology. Feb 1981. v. 71 (2). p. 164-166. ill. 11 ref. (NAL Call No.: 464.8 P56).



0563

**Effect of reducing oxidant injury and early blight on fresh weight and tuber density of potato.**

PHYTAJ. Holley, J.D. Hofstra, G.; Hall, R. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1985. v. 75 (5). p. 529-532. Includes 25 references. (NAL Call No.: DNAL 464.8 P56).

0564

**Effect of seed piece fungicides on stand, yield and Rhizoctonia stem canker of potatoes, 1979 (Potato (*Solanum tuberosum* 'Monona'), stem canker; *Rhizoctonia* sp., seed piece decay).**

Rowe, R.C. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 187. (NAL Call No.: 464.9 AM31R).

0565

**Effect of soil temperature on the field infection of potato tubers by *Phytophthora infestans*.**

Sato, N. St. Paul, Minn., American Phytopathological Society. Phytopathology. Sept 1979. v. 69 (9). p. 989-993. ill. 12 ref. (NAL Call No.: 464.8 P56).

0566

**The effect of storage environment on the infection of potato tubers by *Alternaria solani*.**

Nhodu, E.C. Harrison, M.D.; Workman, M. Orono, Me., Potato Association of America. American potato journal. July 1982. v. 59 (7). p. 313-325. ill. 26 ref. (NAL Call No.: 75.8 P842).

0567

**The effect of time of planting inoculated tubers on the incidence of potato blackleg (due to *Erwinia carotovora*) and gangrene (caused by *Phoma exigua*).**

Logan, C. Copeland, R.B. London, Association of Applied Biologists. Annals of applied biology. Oct 1979. v. 93 (2). p. 133-140. ill. 12 ref. (NAL Call No.: 442.8 AN72).

0568

**Effects of controlled atmospheres on production of sesquiterpenoid stress metabolites by (stored) white potato tuber. Possible involvement of cyanide-resistant respiration (*Phytophthora infestans*, phytoalexins).**

Alves, L.M. Heisler, E.G. Bethesda, American Society of Plant Physiologists. Plant physiology. Feb 1979. v. 63 (2). p. 359-362.

ill. 35 ref. (NAL Call No.: 450 P692).

0569

**Effects of nitrogen fertilization and fungicide treatment on the monona potato cultivar.**

CASBA. Workman, M. Harrison, M.D.; Franc, G.D. Fort Collins : The Station. Bulletin - Colorado State University Experiment Station. Nov 1983. (587S). 21 p. Includes 6 references. (NAL Call No.: DNAL 100 C71S (1)).

0570

**Effects of (potato) fungus diseases on yield and methods of control.**

Hide, G.A. Cambridge, Eng., NIAB. Fellows conference report National Institute of Agricultural Botany. 1978. 1978. (2). p. 33-35. (NAL Call No.: SB16.G5N3).

0571

**Effects of seed-piece and in-furrow fungicide treatments on trade and yield of potatoes (on the) Texas High Plains (*Erwinia carotovora*, *Rhizoctonia solani*).**

Lipe, W.N. Thomas, D.G. College Station, Tex., The Station. MP. Texas. Agricultural Experiment Station. Sept 1979. Sept 1979. (1430). 11 p. ill. 10 ref. (NAL Call No.: 100 T31M).

0572

**Effects of simulated acidic rain on retention of pesticides on leaf surfaces.**

PHYTAJ. Troiana, J. Butterfield, E.J. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Nov 1984. v. 74 (11). p. 1377-1380. Includes 17 references. (NAL Call No.: DNAL 464.8 P56).

0573

**Effects of simulated acidic rain on wash-off of fungicides and control of late blight on potato leaves.**

PHYTAJ. Van Bruggen, A.H.C. Osmeloski, J.F.; Jacobson, J.S. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Aug 1986. v. 76 (8). p. 800-804. Includes references. (NAL Call No.: DNAL 464.8 P56).

0574

**Effects of soil fumigation, rotation, and nitrogen on yield, petiole NO<sub>3</sub>-N, and verticillium wilt of potatoes (incited by *Verticillium albo-atrum*, *Verticillium dahliae*).**  
O'Sullivan, J. Reyes, A.A. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Nov 1980. v. 105 (6). p.



## (PLANT DISEASES - FUNGAL)

809-812. 12 ref. (NAL Call No.: 81 S012).

0575

**Efficacy of chemical treatment of seed potatoes in the control of black scurf, 1979 (Potato (*Solanum tuberosum* 'Kufri Jyoti'), black scurf; *Rhizoctonia solani*).**

Dutt, B.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 185. (NAL Call No.: 464.9 AM31R).

0576

**Efficacy of fungicidal dip treatments of tubers to control tuber and soil borne diseases of potato, 1980 (Potato (*Solanum tuberosum* 'Multa'), tuber and soil borne diseases; *Fusarium* spp. and *Rhizoctonia* spp.).**

Pathan, I.H. Khan, I.A.; Moghal, S.M.; Malik, M.M.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 167-168. (NAL Call No.: 464.9 AM31R).

0577

**Efficacy of fungicides for control of potato late blight, 1979 (Potato (*Solanum tuberosum* 'Hudson'), late blight; *Phytophthora infestans*).**

Fry, W.E. Alway, T.; Fahner, G.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 81-82. (NAL Call No.: 464.9 AM31R).

0578

**The efficacy of selected chemicals applied as mists for control of potato gangrene (*Phoma exigua*) during storage.**

Logan, C. Copeland, R.B. Belfast, Dept. of Agriculture for Northern Ireland. Record of agricultural research. 1978. v. 20. p. 17-20. ill. 19 ref. (NAL Call No.: 10 N81R).

0579

**Efficacy of systemic and contact fungicide mixtures in controlling late blight in potatoes.**

PHYTAJ. Samoucha, Y. Cohen, Y. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Sept 1986. v. 76 (9). p. 855-859. Includes references. (NAL Call No.: DNAL 464.8 P56).

0580

**An efficient technique for inducing profuse sporulation of *Alternaria* (*solani*, *Alternaria alternata* and *Alternaria dauci*) species (cause of early blight of potato and tomato).**

Shahin, E.A. Shepard, J.F. St. Paul, American Phytopathological Society. Phytopathology. June 1979. v. 69 (6). p. 618-620. ill. 10 ref. (NAL Call No.: 464.8 P56).

0581

**Estimating potato yield responses from chemical control of early blight in Minnesota.**

APQJA. Teng, P.S. Bissonnette, H.L. Orono, Me. : Potato Association of America. American potato journal. Nov 1985. v. 62 (11). p. 595-606. Includes 15 references. (NAL Call No.: DNAL 75.8 P842).

0582

**Evaluating sweetpotato for reaction to sclerotial blight caused by *Sclerotium rolfsii*.**

Dukes, P.D. Jones, A. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. Apr 1979. v. 14 (2). p. 123. (NAL Call No.: SB1.H6).

0583

**Evaluation of foliar fungicide sprays for control of potato early blight, 1982 (*Alternaria solani*, *Solanum tuberosum*).**

Stevenson, W.R.FNETD. Gilson, F.A. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 106-107. (NAL Call No.: 464.9 AM31R).

0584

**Evaluation of foliar fungicide sprays for control of potato early blight, 1984.**

FNETD. Stevenson, W.R. Stewart, J.; Sanderson, P. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 82. (NAL Call No.: DNAL 464.9 AM31R).

0585

**Evaluation of fungicides for control of early blight and late blight, 1980 (Potato (*Solanum tuberosum* 'Russet Burbank'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).**

Stevenson, W.R. Weis, G.G. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 75. (NAL Call No.: 464.9 AM31R).

0586

Evaluation of fungicides for control of potato early and late blights, 1981 (Potato (*Solanum tuberosum* 'Russet Burbank'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).

Stevenson, W.R. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 81. (NAL Call No.: 464.9 AM31R).

0587

Evaluation of fungicides for control of potato early blight, 1982 (*Alternaria solani*, *Solanum tuberosum*).

Stevenson, W.R.FNETD. (s.l.) : The Society. Fungicide and nematocide tests : results - American Phytopathological Society. 1983. v. 38. p. 106. (NAL Call No.: 464.9 AM31R).

0588

Evaluation of fungicides for control of potato early blight, 1984.

FNETD. Stevenson, W.R. Stewart, J.; Sanderson, P. s.l. : The Society. Fungicide and nematocide tests : results - American Phytopathological Society. 1985. v. 40. p. 83. (NAL Call No.: DNAL 464.9 AM31R).

0589

Evaluation of fungicides for control of potato late blight, 1981 (Potato (*Solanum tuberosum* 'Green Mountain'), late blight; *Phytophthora infestans*).

Loria, R. Taborsky, B.A. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 75-76. (NAL Call No.: 464.9 AM31R).

0590

Evaluation of fungicides for early blight control, 1980 (Potato (*Solanum tuberosum* 'Superior'), early blight; *Alternaria solani*).

Mulrooney, R.P. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1981. v. 36. p. 69. (NAL Call No.: 464.9 AM31R).

0591

Evaluation of fungicides for the control of late blight, 1978-79 (Potato (*Solanum tuberosum* 'Kufri Chandramukhi'), late blight; *Phytophthora infestans*).

Singh, R.S. Vishwakarma, S.N.; Singh, V.B. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1981. v. 36. p. 74. (NAL Call No.: 464.9 AM31R).

0592

Evaluation of fungicides for the control of late blight, 1978-79 (Potato (*Solanum tuberosum* 'Kufri Chandramukhi'), late blight; *Phytophthora infestans*).

Singh, R.S. Vishwakarma, S.N.; Singh, V.B. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 84-85. (NAL Call No.: 464.9 AM31R).

0593

Evaluation of late blight and early blight control on a standard spray and BLITECAST Program, 1979 (Potato *Solanum tuberosum* 'Green Mountain'), early blight; *Alternaria solani*).

Wallace, D.B. Logan, P.A. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1980. v. 35. p. 85-86. (NAL Call No.: 464.9 AM31R).

0594

Evaluation of potato late blight forecasts modified to incorporate host resistance and fungicide weathering (*Phytophthora infestans*, *Solanum tuberosum*).

Fry, W.E.PHYTA. Apple, A.E.; Bruhn, J.A. St. Paul : American Phytopathological Society. Phytopathology. July 1983. v. 73 (7). p. 1054-1059. Includes references. (NAL Call No.: 464.8 P56).

0595

Evaluation of Ridomil for pin rot and leak control, 1981 (Potato (*Solanum tuberosum* 'Superior'), pink rot; *Pythium* sp. and *Phytophthora* sp., leak).

Mulrooney, R.P. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 78. (NAL Call No.: 464.9 AM31R).

0596

Evaluation of Ridomil for pink rot and leak control, 1979 (Potato (*Solanum tuberosum* 'Superior'), pink rot; *Pythium* and *Phytophthora* sp., leak).

Mulrooney, R.P. (s.l.), The Society. Fungicide and nematocide tests; results - American Phytopathological Society. 1982. v. 37. p. 78. (NAL Call No.: 464.9 AM31R).



## (PLANT DISEASES - FUNGAL)

0597

**Evaluation of ridomil for pink rot control, 1982 (Pythium spp. and Phytophthora spp. on potatoes, Solanum tuberosum).**

Mulrooney, R.P.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 105. (NAL Call No.: 464.9 AM31R).

0598

**Evaluation of sprinkler application of fungicides for control of potato early blight in Colorado (Alternaria solani).**

Franc, G.D.APOJA. Nnodu, E.C.; Harrison, M.D.; Sadler, A.J. Orono : Potato Association of America. American potato journal. Aug 1983. Aug 1983. v. 60 (8). p. 631-643. Includes references. (NAL Call No.: 75.8 P842).

0599

**Evaluation of thiabendazole and pentachloronitrobenzene for control of the rhizoctonia disease complex on white potato (Solanum tuberosum L.).**

APOJA. Lech, S.S. Murdoch, C.W. Orono, Me. : Potato Association of America. American potato journal. Sept 1985. v. 62 (9). p. 459-469. Includes 19 references. (NAL Call No.: DNAL 75.8 P842).

0600

**Evaluation of three fungicides in early and late blight control, 1979 (Potato (Solanum tuberosum 'Kennebec'), early blight; Alternaria solani, late blight; Phytophthora infestans).**

Garcia, S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 66-67. (NAL Call No.: 464.9 AM31R).

0601

**Evaluation of time and rate of application of Difolatan for control of powdery scab, 1981 (Spongospora subterranea on potatoes, Solanum tuberosum).**

de Boer, R.F.FNETD. Brown, R.H. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 102-103. (NAL Call No.: 464.9 AM31R).

0602

**Factors in the inception and development of Fusarium rot in stored potatoes /by Freeman Weiss, J.I. Lauritzen, and Philip Brierley.** Weiss, Freeman 1892. Lauritzen, John I. 1884-; Brierley, Philip. Washington : U.S. Dept. of Agriculture, 1928. Cover title. 36 p., 6 p. of

plates : ill. ; 23 cm. Literature cited: p. 34-35. (NAL Call No.: DNAL 1 Ag84Te no.62).

0603

**Factors of spread and repression in potato wart /by Freeman Weiss and Philip Brierley.**

Weiss, Freeman 1892. Brierley, Philip. Washington : U.S. Dept. of Agriculture, 1928. Caption title. 14 p., 1 leaf of plates : ill. ; 23 cm. Literature cited: p. 13. (NAL Call No.: DNAL 1 Ag84Te no.56).

0604

**Failure of metalaxyl to eradicate late blight on potatoes (cv. green mountain).**

APOJA. Platt, H.W. Orono, Me. : Potato Association of America. American potato journal. Jan 1985. v. 62 (1). p. 39-46. Includes 12 references. (NAL Call No.: DNAL 75.8 P842).

0605

**Field comparison of the effectiveness of air assisted rotary atomizers vs. conventional hydraulic nozzles for disease control and vine kill in potatoes.**

Ledebuhr, R.L. Van Ee, G.R.; Resmer, R.; Forbush, T.; Potter, H.S. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-1076). 15 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0606

**Field trials for control of potato black scurf, 1979 (Potato (Solanum tuberosum 'Kufri Sindhuri'), black scurf; Rhizoctonia solani).**

Dutt, B.L. Singh, B.; Jaswani, M.D.; Kumar, A.; Teotia, S.S.; Singh, R.; Prasad, L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 185. (NAL Call No.: 464.9 AM31R).

0607

**Fungicidal control of early blight of potato, 1982 (Alternaria solani, Solanum tuberosum).**

Manzer, F.FNETD. Giggie, E.; Grounds, G. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 104. (NAL Call No.: 464.9 AM31R).



0608

**Fungicidal control of early blight, 1980** (Potato (*Solanum tuberosum* 'Multa'), early blight; *Alternaria solani*).  
Moghal, S.M. Razvi, I.A.; Panhwar, M.S.; Pathan, I.H. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 77. (NAL Call No.: 464.9 AM31R).

0609

**Fungicidal control of late blight of potato, 1982** (*Phytophthora infestans* on *Solanum tuberosum*).  
Manzer, F.FNETD. Giggie, E.; Grounds, G. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 104-105. (NAL Call No.: 464.9 AM31R).

0610

**Fungicidal control of late blight of potato, 1984.**  
FNETD. Manzer, F. Giggie, E.; Grounds, G. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 80. (NAL Call No.: DNAL 464.9 AM31R).

0611

**Fungicide control of early blight of potato, 1979** (Potato (*Solanum tuberosum* 'Superior'), early blight; *Alternaria solani*).  
Manzer, F.E. Smith, O.P.; Giggie, E.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 82. (NAL Call No.: 464.9 AM31R).

0612

**Fungicide control of early blight of potato, 1980** (Potato (*Solanum tuberosum* 'Kennebec'), early blight; *Alternaria solani*).  
Manzer, F.E. Giggie, E.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 67-68. (NAL Call No.: 464.9 AM31R).

0613

**Fungicide control of early blight of potato, 1981** (Potato (*Solanum tuberosum* 'Kennebec'), early blight; *Alternaria solani*).  
Manzer, F.E. Giggie, E.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 76. (NAL Call No.: 464.9 AM31R).

0614

**Fungicide control of late blight of potato, 1979** (Potato (*Solanum tuberosum* 'Katahdin'), late blight; *Phytophthora infestans*).  
Manzer, F.E. Smith, O.P.; Giggie, E.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 82-83. (NAL Call No.: 464.9 AM31R).

0615

**Fungicide control of late blight of potato, 1980** (Potato (*Solanum tuberosum* 'Katahdin'), late blight; *Phytophthora infestans*).  
Manzer, F.E. Giggie, E.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 68-69. (NAL Call No.: 464.9 AM31R).

0616

**Fungicide control of late blight of potato, 1981** (Potato (*Solanum tuberosum* 'Katahdin'), late blight; *Phytophthora infestans*).  
Manzer, F.E. Giggie, E.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 76-77. (NAL Call No.: 464.9 AM31R).

0617

**Fungicide efficacy experiment, 1979** (Potato (*Solanum tuberosum* 'Red La Soda'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*, *Botrytis blight*; *Botrytis* sp.).  
Weingartner, D.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 86. (NAL Call No.: 464.9 AM31R).

0618

**Fungicide efficacy experiment, 1980** (Potato (*Solanum tuberosum* 'Red La Soda'), foliage blights (*Alternaria solani*, *Alternaria* spp., and *Phytophthora infestans*).  
Weingartner, D.P. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 76. (NAL Call No.: 464.9 AM31R).

0619

**Fungicide evaluation for control of *Sclerotinia* stalk rot of potatoes, 1979** (Potato (*Solanum tuberosum* 'Russet Burbank'), stalk rot; *Whetzelinia* (= *Sclerotinia*) *sclerotiorum*).  
Powelson, M.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 83. (NAL Call No.: 464.9 AM31R).

## (PLANT DISEASES - FUNGAL)

0620

**Fungicide evaluations for potato late blight control, 1979 (Potato (*Solanum tuberosum* 'Hudson', 'Green Mountain'), late blight; *Phytophthora infestans*).**

Cetas, R.C. Tabarski, B.A.; Dougherty, M.L.; Selleck, G.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 79-80. (NAL Call No.: 464.9 AM31R).

0621

**Fungicide testing for early and late blight control in potatoes (*Alternaria solani*, *Phytophthora infestans*).**

Rowe, R.C. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 742. (NAL Call No.: 1.9 P69P).

0622

**Fungicides inhibit feeding of Colorado potato beetles (in Connecticut).**

Hare, J.D.FOPSA. New Haven : The Station. Frontiers of plant science - Connecticut Agricultural Experiment Station. Spring 1982. v. 34 (2). p. 1-4. ill. (NAL Call No.: 100 F92).

0623

**Fungigation for control of early blight of potato, 1984.**

FNETD. Reese, L.E. Potter, H.S.; Crawford, R.A. s.l. : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1985. v. 40. p. 80-81. (NAL Call No.: DNAL 464.9 AM31R).

0624

**Healthier seed potatoes. I. Effects of inoculating stem cutting stocks with *Polyscytalum pustulans* and *Rhizoctonia solani* on growth, yield and disease.**

Hide, G.A. Bell, F. London. Annals of applied biology. Dec 1978. v. 90 (3). p. 417-425. ill. 9 ref. (NAL Call No.: 442.8 AN72).

0625

**Healthier seed potatoes. II. Effects of sprouting and benomyl treatment of stem cutting and commercial stocks on growth, yield and disease (Cultivars).**

Hide, G.A. Bell, F. London. Annals of applied biology. Dec 1978. v. 90 (3). p. 427-436. ill. 9 ref. (NAL Call No.: 442.8 AN72).

0626

**Host-pathogen interactions. XV. Fungal glucans which elicit phytoalexin accumulation in soybean also elicit the accumulation of phytoalexins in other plants (*Phytophthora megasperma soja*, *Colletotrichum lindemuthianum*, kidney beans, potatoes).**

Cline, K. Wade, M. Bethesda, American Society of Plant Physiologists. Plant physiology. Dec 1978. v. 62 (6). p. 918-921. ill. 29 ref. (NAL Call No.: 450 P692).

0627

**Hypersensitive reactivity in potato: transition from inactive to active state induced by infection with an incompatible race of *Phytophthora infestans* (Potato late blight).**

Furuichi, N. Tomiyama, K. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1979. v. 69 (7). p. 734-736. ill. 8 ref. (NAL Call No.: 464.8 P56).

0628

**Induction and mechanisms of cellular injury of potato and cucumber tissues by enzymes produced by a soft rot bacterium, *Erwinia carotovora* (Jones) Holland.**

Tseng, Tsung-Che. Ann Arbor, Mich. University Microfilms 1973. Thesis--University of Massachusetts, 1972. v, 81 leaves. Bibliography: leaves 72-81. (NAL Call No.: DISS 73-14,683).

0629

**Influence of calcium hypochlorite and genotype on plant production by bedded sweet potato roots.**

HJHSA. Hall, M.R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 692-693. Includes 6 references. (NAL Call No.: DNAL SB1.H6).

0630

**Influence of selected protectant fungicides and host resistance on simple and complex potato late blight forecasts (*Phytophthora infestans*).**

Spadafora, V.J. Bruhn, J.A.; Fry, W.E. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1984. v. 74 (5). p. 519-523. Includes references. (NAL Call No.: 464.8 P56).



0631

**Influences of the Rhizoctonia (solani) disease on production of the Russet Burbank potato (Yield and size differences).**

Davis, J.R. Groskopp, M.D. Orono, Me. American potato journal. May 1979. v. 56 (5). p. 253-264. ill. 13 ref. (NAL Call No.: 75.8 P842).

0632

**Inheritance of potato tuber fusarium dry rot resistance.**

Corsini, D. Pavsek, J. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1979. Aug 1979. . 69 (8). p. 914-915. (NAL Call No.: 464.8 P56).

0633

**Inhibitory effect of some potato-dextrose agar preparations on germination of pycnidiospores of Leucostoma species.**

Rosenberger, D.A. Meyer, F.W. Beltsville, Md., Science and Education Administration, U.S. Dept. of Agriculture. Plant disease reporter. Sept 1979. v. 63 (9). p. 793-795. ill. 6 ref. (NAL Call No.: 1.9 P69P).

0634

**Interaction between Meloidogyne hapla (northern root-knot nematode) and Verticillium albo-atrum in the verticillium wilt disease of potato.**

Jacobsen, B.J. MacDonald, D.H. St. Paul, American Phytopathological Society. Phytopathology. Mar 1979. v. 69 (3). p. 288-292. ill. 20 ref. (NAL Call No.: 464.8 P56).

0635

**Isolation and identification of races of Phytophthora infestans from breeders' assessment plots (Potato clones).**

Malcolmson, J.F. Cambridge, Cambridge University Press. Transactions. British Mycological Society. Aug 1979. v. 73 (pt.1). p. 155-156. ill. 3 ref. (NAL Call No.: 451 B76).

0636

**Lack of economic benefits by fungicides applied through center-pivot irrigation systems for control of Alternaria solani on potato.**

PLDRA. Easton, G.D. Nagle, M.E. St. Paul, Minn. : American Phytopathological Society. Plant disease. Feb 1985. v. 69 (2). p. 152-153. Includes 17 references. (NAL Call No.: DNAL 1.9 P69P).

0637

**Late blight of potato.**

Claflin, Larry. 1978. This publication describes the symptoms, disease cycle, optimum weather conditions, & control of the fungus Phytophthora infestans, better known as late blight. Document available from: Distribution Center, Umberger Hall, Kansas State Univ., Manhattan, KS 66506. 1 sheet. (NAL Call No.: L512).

0638

**Late blight of potato and tomato (Phytophthora infestans, control).**

Davidson, R.M. Jr. Easton, G.D. Pullman, Wash., The Service. Extension Bulletin - Washington State University. Cooperative Extension Service. Oct 1981. Previously published as EM4261. Oct 1981. (O958). 3 p. ill. (NAL Call No.: 275.29 W27P).

0639

**Lesion nematode involvement in potato early dying disease.**

APQJA. Riedel, R.M. Rowe, R.C. Orono, Me. : Potato Association of America. American potato journal. Paper presented at the "Potato Early Dying Symposium" in Presque Isle, Maine, 1984. Apr 1985. v. 62 (4). p. 163-171. Includes 16 references. (NAL Call No.: DNAL 75.8 P842).

0640

**Metalaxyl and other fungicides for control of Phytophthora infestans on potato in northwest Washington State (Late blight, mancozeb, chlorothalonil).**

Easton, G.D. Nagle, M.E. Orono : Potato Association of America. American potato journal. Feb 1984. v. 61 (2). p. 83-92. ill., maps. Includes references. (NAL Call No.: 75.8 P842).

0641

**Method for fungicide resistance in late blight of potato--FAO method No. 30 (Phytophthora infestans).**

Rome : World Reporting Service on Plant Diseases and Pests, FAO. Plant protection bulletin. 1982. v. 30 (2). p. 69-71. (NAL Call No.: 421 P692).

0642

**Microcomputer forecasts potato blight (Phytophthora infestans).**

Mackenzie, D.R. Willoughby, Ohio. Farm chemicals, croplife and Ag chem and commercial fertilizer. Jan 1979. v. 142 (1). p. 45. ill. (NAL Call No.: S583.F3).



## (PLANT DISEASES - FUNGAL)

0643

Occurrence, development, and losses associated with silver scurf (caused by *Helminthosporium solani*) and black dot (caused by *Colletotrichum atramentarium*) on Colorado potatoes (Cultivars, field and storage diseases).

Hunger, R.M. McIntyre, G.A. Orono, Me. American potato journal. June 1979. v. 56 (6). p. 289-306. ill. 19 ref. (NAL Call No.: 75.8 P842).

0644

Partial characterization and aspects of the mode of action of a hypersensitivity-inhibiting factor (HIF) isolated from *Phytophthora infestans* (in potato tubers).

Doke, N. Garas, N.A. London, Academic Press. Physiological plant pathology. Sept 1979. v. 15 (2). p. 127-140. ill. 36 ref. (NAL Call No.: SB599.P45).

0645

Pest management for potatoes in Wisconsin--a pilot program (Fungicide and insecticide applications, costs and returns for growers).

Shields, E.J. Hygnstrom, J.R.; Curwen, D.; Stevenson, W.R.; Wyman, J.A.; Binning, L.K. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 508-516. Includes 2 references. (NAL Call No.: 75.8 P842).

0646

Physical, biological, and chemical control integrated for soilborne diseases in potatoes (Includes *Trichoderma harzianum* as a biocontrol agent against *Rhizoctonia solani* and *Sclerotium rolfsii*).

Elad, Y. Katan, J.; Chet, I. St. Paul, Minn., American Phytopathological Society. Phytopathology. May 1980. v. 70 (5). p. 418-422. ill. 20 ref. (NAL Call No.: 464.8 P56).

0647

Physiological requirements of *Fusarium oxysporum* causing wilt of potato.

Ganacharya, N.M. New Delhi, Indian Phytopathological Society. Indian phytopathology. Dec 1977. v. 30 (4). p. 532-533. ill. 1 ref. (NAL Call No.: 464.8 IN2).

0648

Plant disease detection by nucleic acid hybridization.

NASSD. Owens, R.A. Diener, T.O. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. Paper presented at the congress on the "Molecular Form and Function of the Plant Genome," July 4-14, 1984, Renesse, Netherlands. 1985. v. 83. p. 45-53. ill. Includes references. (NAL Call No.: DNAL QH301.N32).

0649

Post-harvest development of *Rhizoctonia solani* Kuhn on potato tubers (Black scurf).

Spencer, D. Fox, R.A. Wageningen, European Association for Potato Research. Potato research. Mar 1979. v. 22 (1). p. 41-47. ill. 11 ref. (NAL Call No.: 75.8 EU7).

0650

Potato disease prevention and control (Mostly fungal diseases).

Conway, K.E. Sturgeon, R.V. Jr. Stillwater. O.S.U. extension facts. Science serving agriculture Oklahoma State University. Cooperative Extension Service. May 1979. May 1979. (7169). 4 p. ill. (NAL Call No.: S544.3.0505).

0651

Potato early dying--a serious threat to the potato industry.

APQJA. Rowe, R.C. Orono, Me. : Potato Association of America. American potato journal. Paper presented at the "Potato Early Dying Symposium" in Presque Isle, Maine, 1984. Apr 1985. v. 62 (4). p. 157-161. Includes 17 references. (NAL Call No.: DNAL 75.8 P842).

0652

Potato fungicide spray trial, 1979 (Potato (*Solanum tuberosum* 'Russet Burbank'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).

Weis, G.G. Stevenson, W.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 86-87. (NAL Call No.: 464.9 AM31R).

0653

Potato fungicides and disease control programs, 1979 (Potato (*Solanum tuberosum* 'Kenebec', Katahdin', 'Norchip'), early blight; *Alternaria solani*, late blight; *Phytophthora infestans*).

Abdel-Rahman, M. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 78.

(NAL Call No.: 464.9 AM31R).

#### 0654

**Potato late blight control and top desiccation when pesticides are applied with a controlled droplet and a conventional sprayer** (Phytophthora infestans, fungicide, top desiccant, diquat).

Platt, H.W.APOJA. Ivany, J.A. Orono : Potato Association of America. American potato journal. Dec 1983. v. 60 (12,pt.1). p. 939-947. ill. Includes references. (NAL Call No.: 75.8 P842).

#### 0655

**Potato late blight (Phytophthora infestans).**

Rothwell, A. Salisbury, Ministry of Agriculture. Rhodesia agricultural journal. Jan/Feb 1979. v. 76 (1). p. 51-52. ill. (NAL Call No.: 24 R34).

#### 0656

**Potato research highlights (Culture, varieties, diseases and pests).**

Nagaich, B.B. Singh, A.K. New Delhi, Indian Council of Agricultural Research. Indian horticulture. July/Sept 1978. v. 23 (2). p. 21-24. ill. (NAL Call No.: 80 IN23).

#### 0657

**Potato storage disease control: the prevention of soft rot (Erwinia carotovora, Phoma exigua).**

Logan, C. Copeland, R.B. Belfast, Her Majesty's Stationery Office. Agriculture in Northern Ireland. July 1979. v. 54 (3). p. 72-74. ill. (NAL Call No.: 256.13 AG82M).

#### 0658

**Potato yield losses due to early blight in Minnesota fields, 1981 and 1982.**

APOJA. Teng, P.S. Bissonnette, H.L. Orono, Me. : Potato Association of America. American potato journal. Nov 1985. v. 62 (11). p. 619-628. Includes 13 references. (NAL Call No.: DNAL 75.8 P842).

#### 0659

**Pre-harvest burning for control of tuber infection by Alternaria solani (Potato).**

Lahman, L.K. Harrison, M.D.; Workman, M. Orono, Me., Potato Association of America. American potato journal. Nov 1981. v. 58 (11). p. 593-599. Includes 8 ref. (NAL Call No.: 75.8 P842).

#### 0660

**Production, standardization and longevity of inoculum of Fusarium oxysporum f. sp. batatas, the sweetpotato wilt pathogen.**

Dukes, P.D. Jones, A. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. Apr 1979. v. 14 (2). p. 123. (NAL Call No.: SB1.H6).

#### 0661

**Properties of a mixed function oxygenase catalyzing ipomeamarone 15-hydroxylation in microsomes from cut-injured and Ceratocystis fimbriata-infected sweetpotatoes root tissues (Ipomoea batatas).**

Fujita, M. Oba, K.; Uritani, I. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Aug 1982. v. 70 (2). p. 573-578. ill. 31 ref. (NAL Call No.: 450 P692).

#### 0662

**Putting the box on (potato late) blight (caused by Phytophthora infestans, microcomputer, weather forecast for spraying schedules).**

MacKenzie, D.R. Chicago. American vegetable grower and greenhouse grower. Jan 1979. v. 27 (1). p. 14, 48, 50. ill. (NAL Call No.: 80 C733).

#### 0663

**Quantification of general resistance of potato cultivars and fungicide effects for integrated control of potato late blight (caused by Phytophthora infestans).**

Fry, W.E. St. Paul, American Phytopathological Society. Phytopathology. Nov 1978. v. 68 (11). p. 1650-1655. ill. 12 ref. (NAL Call No.: 464.8 P56).

#### 0664

**Reactions of sweet potato selections to fusarium root and stem canker caused by Fusarium solani.**

PLDRA. Clark, C.A. Randle, W.M.; Pace, C.S. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1986. v. 70 (9). p. 869-871. Includes 10 references. (NAL Call No.: DNAL 1.9 P69P).

#### 0665

**The relationship between Verticillium albo-atrum inoculum density and potato yield (Colorado).**

Nnodu, E.C. Harrison, M.D. Orono, Me. American potato journal. Jan 1979. v. 56 (1). p. 11-25. ill. 14 ref. (NAL Call No.: 75.8 P842).



## (PLANT DISEASES - FUNGAL)

0666

**Response of five major soil-borne potato pathogens to herbicides utilized in potato crop management systems (Abstract only).**

Leach, S.S. Gordon, C. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 889. (NAL Call No.: 464.8 P56).

0667

**Retardation of potato late blight (*Phytophthora infestans*) epidemics by fungicides with eradicant and protectant properties.**

Fry, W.E. Bruck, R.I. Beltsville, Md., The Administration. Plant disease reporter. United States. Dept. of Agriculture. Science and Education Administration. Nov 1979. v. 63 (11). p. 970-974. ill. 9 ref. (NAL Call No.: 1.9 P69P).

0668

**Rhizoctonia disease of potato: effect on yield and control by seed tuber treatment (*Solanum tuberosum*).**

Weinhold, A.R. Bowman, T.; Hall, D.H. St. Paul, Minn., American Phytopathological Society. Plant disease. Sept 1982. v. 66 (9). p. 815-818. 16 ref. (NAL Call No.: 1.9 P69P).

0669

**Scheduling fungicide applications for potato late blight (*Phytophthora infestans*) with BLITECAST (Computerized forecasts).**

MacKenzie, D.R. St. Paul, Minn., American Phytopathological Society. Plant disease. May 1981. v. 65 (5). p. 394-399. ill. 13 ref. (NAL Call No.: 1.9 P69P).

0670

**Screening systemic fungicides for potato wart disease (caused by *Synchytrium endobioticum*).**

Hampson, M.C. Ottawa, The Branch. Canadian plant disease survey. Canada. Dept. of Agriculture. Research Branch. 1977. v. 57 (3/4). p. 75-78. ill. 15 ref. (NAL Call No.: 464.9 C16S).

0671

**Selection of components for a potato late blight (*Phytophthora infestans*) forecasting and fungicidal control program.**

Nutter, F.W. Jr. MacHardy, W.E. St. Paul, Minn., American Phytopathological Society. Plant disease. Dec 1980. v. 64 (12). p. 1103-1105. 9 ref. (NAL Call No.: 1.9 P69P).

0672

**A semi-micro method for the quantitation of sesquiterpenoid stress metabolites in potato tuber tissue (*Phytoalexins*, *Phytophthora infestans*).**

Henfling, J.W.D.M. Kuc, J. St. Paul, American Phytopathological Society. Phytopathology. June 1979. v. 69 (6). p. 609-612. ill. 14 ref. (NAL Call No.: 464.8 P56).

0673

**A simple method of estimating fungicide coverage on the surfaces of thiabendazole misted (potato) tubers.**

Logan, C. Copeland, R.B. Belfast, Dept. of Agriculture for Northern Ireland. Record of agricultural research. 1978. v. 26. p. 83-87. ill. 7 ref. (NAL Call No.: 10 N81R).

0674

**A simplified, non-computerized program for forecasting potato late blight (*Phytophthora infestans*).**

MacHardy, W.E. Beltsville, Md., Plant Science Research Division, Agricultural Research Service, U.S. Dept. of Agriculture. Plant disease reporter. Jan 1979. v. 63 (1). p. 21-25. ill. 5 ref. (NAL Call No.: 1.9 P69P).

0675

**Soil fumigation evaluation for control of *Verticillium* wilt and black dot of potatoes, 1979 (*Solanum tuberosum* 'Russet Burbank'), *Verticillium dahliae*, black dot; *Colletotrichum atramentarium*).**

Powelson, M.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 71. (NAL Call No.: 464.9 AM31R).

0676

**Spray and seed tuber treatments for late blight (*Phytophthora infestans*) control in potatoes.**

Hartill, W.F.T. St. Paul, Minn., American Phytopathological Society. Plant disease. Aug 1980. v. 64 (8). p. 764-766. 4 ref. (NAL Call No.: 1.9 P69P).

0677

**Studies on *helminthosporium solini*, the causal organism of silver scurf of potato.**

Singh, Amerika. Ann Arbor, Mich. University Microfilms 1970. Thesis--North Dakota State University, 1968. vii, 60 leaves. Bibliography: leaves 53-57. (NAL Call No.: DISS 70-4,265).



0678

**Studies on some interactions between potatoes and *Phytophthora infestans*.**

Nandris, D. Vallavielle, C. de. London, Academic. Physiological plant pathology. July 1979. v. 15 (1). p. 1-12. ill., 2 plates. 30 ref. (NAL Call No.: SB599.P45).

0679

**Studies on the lenticel development, surface microflora and infection by common scab (*Streptomyces scabies*) of potato tubers growing in wet and dry soils.**

Adams, M.J. Lapwood, D.H. London. Annals of applied biology. Dec 1978. v. 90 (3). p. 335-343. ill., 2 plates. 13 ref. (NAL Call No.: 442.8 AN72).

0680

**Suppression of the hypersensitive reaction in potato tubers by mycelial components from *Phytophthora infestans*.**

Garas, N.A. Doke, N. London, Academic Press. Physiological plant pathology. Sept 1979. v. 15 (2). p. 117-126. ill. 29 ref. (NAL Call No.: SB599.P45).

0681

**Sweetpotato scurf control (*Monilochaetes infuscans*).**

Baldwin, R.E. Virginia Beach, Virginia Polytechnic Institute and State University Cooperative Extension Service, Virginia Truck & Ornamentals Research Station. The Vegetable growers news. Mar 1979. v. 33 (9). p. 2. ill. (NAL Call No.: 275.28 V52).

0682

**Sweetpotato sprout dip treatments for control of scurf, 1979 (Sweetpotato (*Ipomoea batatas* 'Nemagold'), scurf; *Monilochaetes infuscans*).**

Baldwin, R.E. Francis, J.A. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 89-90. (NAL Call No.: 464.9 AM31R).

0683

**Sweetpotatoes--buried treasure (Includes fungal diseases).**

Bouwkamp, J.C. Washington. The yearbook of agriculture United States Dept. of Agriculture. 1977. 1977. p. 212-216. ill. (NAL Call No.: 1 AG84Y).

0684

**Timing and root absorption affecting efficiency of metalaxyl in controlling *Phytophthora infestans* on potato in northwestern Washington State.**

PLDRA. Easton, G.D. Nagle, M.E. St. Paul, Minn.: American Phytopathological Society. Plant disease. June 1985. v. 69 (6). p. 499-500. Includes 5 references. (NAL Call No.: DNAL 1.9 P69P).

0685

**Transformations of steroids and the steroidal alkaloid, solanine, by *Phytophthora infestans* (produced by diseased potato tubers).**

Holland, H.L. Taylor, G.J. Oxford. Phytochemistry. 1979. v. 18 (3). p. 437-440. ill. 16 ref. (NAL Call No.: 450 P5622).

0686

**Translocation of metalaxyl and RE26745 in potato and comparison of foliar and soil application for control of *Phytophthora infestans* (Systemic fungicides, potato late blight).**

Rowe, R.C. St. Paul, American Phytopathological Society. Plant disease. Nov 1982. v. 66 (11). p. 989-993. ill. 25 ref. (NAL Call No.: 1.9 P69P).

0687

**Treatment of cut seed pieces with fungicides to prevent decay, 1978-79 (Potato (*Solanum tuberosum* 'Kufri Chandramukhi'), cut seed piece decay).**

Singh, R.S. Vishwakarma, S.N.; Singh, V.B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 188. (NAL Call No.: 464.9 AM31R).

0688

**Ultrastructure of (the potato cultivar) *Solanum tuberosum* var. Katahdin infected with *Phytophthora infestans*.**

Jones, S.B. Kurantz, M.J. Baton Rouge, Claitor's Publishing Division. Proceedings - Annual meeting. Electron Microscopy Society of America. 1979. 1979. (37th). p. 336-337. ill. 2 ref. (NAL Call No.: QH201.E4).

0689

**Use of phenol compounds in the immunization of potatoes against *Phytophthora* and early dry spot.**

Dorozhkin, N.A. and Ivanyuk, V.G. New York, Allerton Press. Soviet agriculture sciences. 1978. 1978. (2). p. 13-15. ill. 8 ref. (NAL

## (PLANT DISEASES - FUNGAL)

Call No.: S1.S68).

0690

**The value of early blight control on hail injured Russet Burbank and Centennial Russet potatoes.**

Workman, M. Holm, D. Ft. Collins, Colo. : The Station. Progress report - Colorado Experiment Station. Oct 1984. (19). 2 p. (NAL Call No.: DNAL 100 C71C).

0691

**Verticillium wilt of potatoes.**

Bissonnette, Howard L. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1972. Examines symptoms, disease cycle and control for verticillium wilt of potatoes. 1 sheet : ill. (NAL Call No.: Document available from source.). (NAL Call No.: No.19).

0692

**Wound healing, decay and chemical treatment of cut potato tuber tissue.**

APQJA. Nolte, P. Secor, G.A.; Gudmestad, N.C. Orono, Me. : Potato Association of America. American potato journal. Jan 1987. v. 64 (1). p. 1-9. Includes references. (NAL Call No.: DNAL 75.8 P842).

0693

**Yam anthracnose control, 1980 (Yams (*Dioscorea alata* 'Florido'), anthracnose; *Colletotrichum gloeosporioides*).**

Mignucci, J.S. Green, J.; Hepperly, P.R. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 90. (NAL Call No.: 464.9 AM31R).

0694

**Yam protection. 1. Seed-piece treatment with fungicide.**

JAUPA. Mignucci, J.S. Hepperly, P.R.; Velez, H.; Torres, R. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Apr 1984. v. 68 (2). p. 185-192. Includes 24 references. (NAL Call No.: DNAL 8 P832J).

0695

**2-cyano-N-((ethylamino)carbonyl)-2-(methoxyimino)acetamide, a new fungicide (for the control of late blight of tomato and potato *Phytophthora infestans*, and grape downy mildew, *Plasmopora viticola*).**

Klopping, H.L. Delp, C.J. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1980. v. 28 (2). p. 467-468. ill. 8 ref. (NAL Call No.: 381 J8223).

0696

**The 4-H potato project.**

Peek, Bill L. Romanowski, Roman R. 1978. This manual includes information on selection of potato patch, planting, weed and pest control, harvesting and storing potatoes. It stresses the importance of good record-keeping. Document available from: 4-H Department, Purdue University, Agricultural Administration Building, West Lafayette, Indiana 47907. Publication intended for: Member, Elementary, Junior and Senior High Level. Learning Experience: Knowledge, skills, practices. (30) p. in various pagings. : ill. (NAL Call No.: S533.F66I6). (NAL Call No.: 4H-229).

0697

**Current problems relating to protection of field crops. 4. Fungicide and insecticide warnings in potatoes, factors of reliability and economy. FRENCH.**

Fouarge, G. Olivier, J. Bruxelles. Revue de l'agriculture. Mar/Apr 1979. v. 32 (2). p. 439-443. (NAL Call No.: 13 R322).

0698

**The potato septoriosiis (*Septoria lycopersici*). ITALIAN.**

Piglioni, V. Malaguti, G. Bologna, Unione fitopatologica mediterranea. Phytopathologia mediterranea. Aug 1978. v. 17 (2). p. 81-89. ill. 34 ref. (NAL Call No.: 464.8 P565).

0699

**Potato wart disease (*Synchytrium endobioticum*). GERMAN.**

Behringer, P. Munchen, BLV Verlagsgesellschaft. DLZ. Aug 1978. v. 29 (8). p. 972. ill. (NAL Call No.: 58.8 T677).

0700

**Powdery scab of potatoes (*Spongospora subterranea*). GERMAN.**

König, K. München, BLV Verlagsgesellschaft.  
DLZ. Sept 1979. v. 30 (9). p. 1272. ill. (NAL  
Call No.: 58.8 T677).

0701

**Preliminary investigation on the production of  
toxins by potato rot agents (*Fusarium* species).  
GERMAN.**

Siegfried, R. Langerfeld, E. Wageningen,  
European Association for Potato Research.  
Potato research. Dec 1978. v. 21 (4). p.  
335-339. ill. 10 ref. (NAL Call No.: 75.8 EU7).



# PLANT DISEASES - BACTERIAL

0702

**Assessment of bacterial soft rot potential in potatoes.**

Buelow, F.H. Maher, E.; Kelman, A. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-4030). 13 p. Includes references. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0703

**The association of *Erwinia carotovora* var. *atroseptica* and *Erwinia carotovora* var. *carotovora* with insects (Diptera) in Colorado (Epidemiology of potato blackleg).**

Kloepper, J.W. Harrison M.D. Orono, Me., Potato Association of America. American potato journal. July 1979. v. 56 (7). p. 351-361. ill. 10 ref. (NAL Call No.: 75.8 P842).

0704

**Bacterial soft rot potential in washed potato tubers in relation to temperatures of tubers and water during simulated commercial handling practices (*Erwinia carotovora*, storage injuries).**

Bartz, J.A. Kelman, A. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 485-493. Includes 23 references. (NAL Call No.: 75.8 P842).

0705

**Bacterization of potatoes with *Pseudomonas putida* and its influence on postharvest soft rot diseases (Overlay technique with *Erwinia carotovora*).**

Colyer, P.D. Mount, M.S. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 703-706. ill. Includes 28 references. (NAL Call No.: 1.9 P69P).

0706

**Biology and control of seed-borne and foliar diseases of potato (Research projects, Maine).**

Manzer, F. MAMRA. Saltsman, P.; Giggie, E.; Grounds, G. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 25-28. (NAL Call No.: 100 M28M).

0707

**Comparison of three serodiagnostic assays for detection of (bacterial ring rot)**

*Corynebacterium sepedonicum* (of potato). Slack, S.A. Kelman, A. St. Paul, American Phytopathological Society. Phytopathology. Feb 1979. v. 69 (2). p. 186-189. ill. 23 ref. (NAL Call No.: 464.8 P56).

0708

**Control methods for common potato scab (*Streptomyces scabies*).**

Loria, R. Batavia : Agricultural Divisions of Cooperative Extension, Four Western Plain Counties, N.Y. State. Ag impact. Aug 1983. v. 10 (8). p. 12-13. ill. (NAL Call No.: S544.3.N7A45).

0709

**Control of acid scab with seedpiece and systemic insecticide treatments, 1980 (Potato (*Solanum tuberosum* 'Katahdin'), acid scab; *Streptomyces* sp.).**

Manzer, F.E. Giggie, A.E.; Storch, R.H.; Sewell, G.H. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 159. (NAL Call No.: 464.9 AM31R).

0710

**Control of *Streptomyces* soil rot (pox) of sweetpotato, Bentonville, North Carolina, 1979 (Sweetpotato (*Ipomoea batatas* 'Jewel'), *Streptomyces* soil rot (pox); *Streptomyces ipomoea*).**

Averre, C.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 88-89. (NAL Call No.: 464.9 AM31R).

0711

**Control of *Streptomyces* soil rot (pox) of sweetpotato, 1979 (Sweetpotato (*Ipomoea batatas* 'Jewel'), *Streptomyces* soil rot (pox); *Streptomyces ipomoea*).**

Averre, C.W. Moyer, J.W. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 89. (NAL Call No.: 464.9 AM31R).

0712

**Control of sweetpotato soil rot with Chloropicrin, 1982 (*Streptomyces ipomoea*, *Ipomoea batatas*).**

Clark, C.A. FNETD. Strand, C.; Watson, B.; Hammett, H.L. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 109.

(NAL Call No.: 464.9 AM31R).

0713

**Control of sweetpotato soil rot with resistance and Chloropicrin, 1981 (Sweetpotato (*Ipomoea batatas*, Centennial, Jasper, L4-112), soil rot; *Streptomyces ipomoea*).**

Clark, C.A. Watson, B. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1982. v. 37. p. 82. (NAL Call No.: 464.9 AM31R).

0714

**Control of sweetpotato soil rot with varietal resistance and chemical treatments, 1979 (Sweetpotato (*Ipomoea batatas* 'Centennial', 'Jasper', 'L4-112'), soil rot (*Streptomyces ipomoea*)).**

Clark, C.A. Boniol, D.P.; Hammett, H.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1980. v. 35. p. 90. (NAL Call No.: 464.9 AM31R).

0715

**Control of sweetpotato soil rot with varietal resistance and chloropicrin, 1980 (Sweetpotato (*Ipomoea batatas* 'Centennial', 'Jasper', 'L4-112'), soil rot; *Streptomyces ipomoea*).**

Clark, C.A. Hammett, H.L. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 77. (NAL Call No.: 464.9 AM31R).

0716

**Control of sweetpotato *Streptomyces* pox with fumigation and changes in soil pH, 1981 (*Streptomyces ipomoea*, *Ipomoea batatas*).**

Averre, C.W.FNETD. (s.l.) : The Society. Fungicide and nematicide tests : results - American Phytopathological Society. 1983. v. 38. p. 108. (NAL Call No.: 464.9 AM31R).

0717

**Current status and prospects for detecting and controlling bacterial ring rot of potatoes in North America (*Corynebacterium sepedonicum*).**

De Boer, S.H. Slack, S.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1984. v. 68 (10). p. 841-844. ill. Includes 14 references. (NAL Call No.: 1.9 P69P).

0718

**Detection of *Erwinia carotovora* var. *atroseptica* in potato tubers with immunofluorescence following induction of decay.**

Vruggink, H. Boer, S.H. de. Wageningen, European Association for Potato Research. Potato research. Sept 1978. v. 21 (3). p. 225-229. ill. 8 ref. (NAL Call No.: 75.8 EU7).

0719

**Determination of the potential for transmission of ring rot (*Corynebacterium sepedonicum*) among (potato tuber) seed samples in the Maine Florida test.**

Manzer, F.E. Merriam, D.C. Orono, Me. American potato journal. June 1979. v. 56 (6). p. 320-322. ill. 1 ref. (NAL Call No.: 75.8 P842).

0720

**Diseases of potato: bacterial ring rot.**

MUCBA. Hammerschmidt, R. Lacy, M.L. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. July 1985. (1801,rev.). 2 p. ill. (NAL Call No.: DNAL 275.29 M58B).

0721

**Effect of pre-plant soil treatments on the control of potato scab, 1978 (Potato (*Solanum tuberosum* 'Sebago'), scab; *Streptomyces scabies*).**

Potter, H.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 70. (NAL Call No.: 464.9 AM31R).

0722

**Effect of pre-plant soil treatments on the control of potato scab, 1979, 1980 (Potato (*Solanum tuberosum* 'Sebago'), scab; *Streptomyces scabies*).**

Potter, H.S. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 70-71. (NAL Call No.: 464.9 AM31R).

0723

**The effect of time of planting inoculated tubers on the incidence of potato blackleg (due to *Erwinia carotovora*) and gangrene (caused by *Phoma exigua*).**

Logan, C. Copeland, R.B. London, Association of Applied Biologists. Annals of applied biology. Oct 1979. v. 93 (2). p. 133-140. ill. 12 ref. (NAL Call No.: 442.8 AN72).



## (PLANT DISEASES - BACTERIAL)

0724

**Effects of foliar sprays of daminozide on the incidence of potato common scab (*Streptomyces scabies*).**

McIntosh, A.H. Bateman, G.L. London. Annals of applied biology. May 1979. v. 92 (1). p. 29-38. ill. Bibliography p. 36-38. (NAL Call No.: 442.8 AN72).

0725

**Effects of seed-piece and in-furrow fungicide treatments on trade and yield of potatoes (on the) Texas High Plains (*Erwinia carotovora*, *Rhizoctonia solani*).**

Lipe, W.N. Thomas, D.G. College Station, Tex., The Station. MP.Texas. Agricultural Experiment Station. Sept 1979. Sept 1979. (1430). 11 p. ill. 10 ref. (NAL Call No.: 100 T31M).

0726

***Erwinia* species in the lenticels of certified seed potatoes.**

Nielsen, L.W. Orono, Me. American potato journal. Dec 1978. v. 55 (12). p. 671-676. ill. 15 ref. (NAL Call No.: 75.8 P842).

0727

**Field evaluations of the interactions among fluorescent pseudomonads, *Erwinia carotovora*, and potato yields.**

PHYTA. Xu, G.W. Gross, D.C. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Apr 1986. v. 76 (4). p. 423-430. Includes 37 references. (NAL Call No.: DNAL 464.8 P56).

0728

**Freeing Russet Burbank potato plants from ring rot by stem cutting and tuber propagation.**

APDJA. Nelson, G.A. Orono, Me. : Potato Association of America. American potato journal. Aug 1986. v. 63 (8). p. 411-414. Includes references. (NAL Call No.: DNAL 75.8 P842).

0729

**Inhibition of *Solanum* pollen germination in vitro by the phytoalexin rishitin (extracted from potato tubers inoculated with *Erwinia carotovora atroseptica*).**

Hodgkin, T. Lyon, G.D. London, Academic Press. Annals of botany. Aug 1979. v. 44 (2). p. 253-255. ill., plate. 20 ref. (NAL Call No.: 450 AN7).

0730

**Inoculation of potato tubers with *Erwinia carotovora* during simulated commercial washing and fluming practices (Bacterial soft rot, condensation and water exposure during storage and handling).**

Bartz, J.A. Kelman, A. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 495-507. ill. Includes 27 references. (NAL Call No.: 75.8 P842).

0731

**The latex agglutination test as a rapid serological assay for (the potato ring rot pathogen) *Corynebacterium sepedonicum*.**

Slack, S.A. Sanford, H.A. Orono, Me., Potato Association of America. American potato journal. Sept 1979. v. 56 (9). p. 441-446. ill. 10 ref. (NAL Call No.: 75.8 P842).

0732

**A method for testing potential bactericides for the prevention of soft rotting of potato tubers.**

Harris, R.I. Wageningen, European Association for Potato Research. Potato research. Sept 1978. v. 21 (3). p. 231-233. ill. 7 ref. (NAL Call No.: 75.8 EU7).

0733

**Pectolytic *Erwinia* spp. in the root zone of potato plants in relation to infestation of daughter tubers (Bacterial soft rot).**

De Boer, S.H. Cuppels, D.A. St. Paul, American Phytopathological Society. Phytopathology. Dec 1978. v. 68 (12). p. 1784-1790. ill. 41 ref. (NAL Call No.: 464.8 P56).

0734

**Persistence of *Corynebacterium sepedonicum* in soil and in buried potato stems.**

Nelson, G.A. Orono, Me. American potato journal. Feb 1979. v. 56 (2). p. 71-77. ill. 10 ref. (NAL Call No.: 75.8 P842).

0735

**Plant disease detection by nucleic acid hybridization.**

NASSD. Owens, R.A. Diener, T.O. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. Paper presented at the congress on the "Molecular Form and Function of the Plant Genome," July 4-14, 1984, Renesse, Netherlands. 1985. v. 83. p. 45-53. ill. Includes references. (NAL Call No.: DNAL QH301.N32).



0736

**Polymyxin resistance in *Agrobacterium tumefaciens* and its effect on crown gall tumor induction (Carrot, potato, pinto bean).**

Liao, C.H. Heberlein, G.T. Ottawa. Canadian journal of microbiology. Feb 1979. v. 25 (2). p. 185-191. ill. 19 ref. (NAL Call No.: 448.8 C162).

0737

**Population dynamics of *Erwinia carotovora* and pectolytic *Clostridium* spp. in relation to decay of potatoes (*Erwinia carotovora carotovora*, *Erwinia carotovora atroseptica*).**

Perombelon, M.C.M. Gullings-Handley, J. St. Paul, American Phytopathological Society. Phytopathology. Feb 1979. v. 69 (2). p. 167-173. ill. 22 ref. (NAL Call No.: 464.8 P56).

0738

**Potato ring rot (*Corynebacterium sepedonicum*, symptoms, control).**

Stevenson, W.R. Slack, S.A. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Sept 1983. Sept 1983. (A3243). 2 p. ill. Includes references. (NAL Call No.: S544.3.W6W53).

0739

**Potato scab.**

Claflin, Larry. 1978. This publication discusses the symptoms, soil conditions, and controls of potato scab caused by the bacteria *Streptomyces scabies*. Document available from: Distribution Center, Umberger Hall, Kansas State Univ., Manhattan, KS 66506. 1 sheet. (NAL Call No.: L511).

0740

**Potato scab (caused by *Streptomyces scabies*, symptoms, control).**

Davidson, R.M. Jr. Byther, R.S. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Feb 1984. Feb 1984. (1243,rev.). 2 p. ill. (NAL Call No.: 275.29 W27P).

0741

**Potato storage disease control: the prevention of soft rot (*Erwinia carotovora*, *Phoma exigua*).**

Logan, C. Copeland, R.B. Belfast, Her Majesty's Stationery Office. Agriculture in Northern Ireland. July 1979. v. 54 (3). p. 72-74. ill. (NAL Call No.: 256.13 AG82M).

0742

**Preliminary study on brown rot (*Pseudomonas solanacearum*) of potatoes in Nepal.**

Shrestha, S.K. Lalitpur, Nepal Nepal Agricultural Association. Nepalese journal of agriculture. Feb 1977. v. 12. p. 11-21. ill. 21 ref. (NAL Call No.: S19.N43).

0743

**Report of the Pathology Section Committee on bacterial ring rot diagnosis (of potatoes).**

Manzer, F.E. Slack, S.A. Orono, Me., Potato Association of America. American potato journal. Nov 1979. v. 56 (11). p. 551-555. 11 ref. (NAL Call No.: 75.8 P842).

0744

**Resistance of potato cultivars to bacterial wilt (*Pseudomonas solanacearum*).**

Jaworski, C.A. Webb, R.E. Orono, Me., Potato Association of America. American potato journal. Oct 1979. v. 56 (10). p. 467. ill. (NAL Call No.: 75.8 P842).

0745

**Selection of fluorescent pseudomonads antagonistic to *Erwinia carotovora* and suppressive of potato seed piece decay.**

PHYTA. Xu, G.W. Gross, D.C. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Apr 1986. v. 76 (4). p. 414-422. ill. Includes 43 references. (NAL Call No.: DNAL 464.8 P56).

0746

**Serogroups of *Erwinia carotovora* potato strains determined with diffusible somatic antigens (Potato blackleg and soft rot caused by *Erwinia carotovora* var. *atroseptica* and *Erwinia carotovora* var. *carotovora*).**

De Boer, S.H. Copeman, R.J. St. Paul, American Phytopathological Society. Phytopathology. Apr 1979. v. 69 (4). p. 316-319. ill. 33 ref. (NAL Call No.: 464.8 P56).

0747

**Survival of *Erwinia carotovora* in Wisconsin soils (Potatoes, soft rot).**

De Boer, S.H. Allan, E. Orono, Me. American potato journal. May 1979. v. 56 (5). p. 243-252. ill. 36 ref. (NAL Call No.: 75.8 P842).

(PLANT DISEASES - BACTERIAL)

0748

Survival of strains of soft rot coliform bacteria on microthreads exposed in the laboratory and in the open air (potato blackleg disease *Erwinia carotovora atroseptica*, tuber soft rot, caused by *Erwinia carotovora carotovora* or *Erwinia carotovora* var. *atroseptica*).

Graham, D.C. Quinn, C.E. London, Academic. The Journal of applied bacteriology. Apr 1979. v. 46 (2). p. 367-376. ill. 17 ref. (NAL Call No.: 448.39 S012).

0749

Survival of (the causative agent of bacterial wilt) *Pseudomonas solanacearum* race 3 in plant debris and in latently infected potato tubers.

Graham, J. Jones, D.A. St. Paul, Minn., American Phytopathological Society. Phytopathology. Oct 1979. v. 69 (10). p. 1100-1103. ill. 20 ref. (NAL Call No.: 464.8 P56).

0750

Wound healing, decay and chemical treatment of cut potato tuber tissue.

APQJA. Nolte, P. Secor, G.A.; Gudmestad, N.C. Orono, Me. : Potato Association of America. American potato journal. Jan 1987. v. 64 (1). p. 1-9. Includes references. (NAL Call No.: DNAL 75.8 P842).

0751

Comparison of the pathogenicity of *Erwinia carotovora* var. *atroseptica* and *Erwinia* (*carotovora*) var. *carotovora* by inoculation of potato cultivars. FRENCH.

Caron, M. Lachance, R.O. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Apr 1979. v. 59 (2). p. 411-416. ill. 14 ref. (NAL Call No.: 450 C16).

# PLANT DISEASES - VIRAL

0752

**Acquisition of potato virus Yn by (its aphid vector) Myzus persicae from primarily infected 'Bintje' potato plants.**

Beemster, A.B.R. Wageningen, Netherlands Society of Plant Pathology. Netherlands journal of plant pathology. 1979. v. 85 (2). p. 75-81. ill. 6 ref. (NAL Call No.: 464.8 T44).

0753

**Chilling of tissue before glutaraldehyde fixation preserves fragile inclusions of several plant viruses (brome mosaic virus, turnip yellow mosaic virus, potato virus X).**  
Langenberg, W.G. New York. Journal of ultrastructure research. Feb 1979. v. 66 (2). p. 120-131. ill. 21 ref. (NAL Call No.: 440.8 J822).

0754

**Comparisons of nematode control and potato yields in large plots treated with different combinations during 1977-1981 (Belonolaimus longicaudatus, Meloidogyne incognita, corky ringspot disease, Florida).**  
Weingartner, D.P. Shumaker, J.R. S.1., The Society. Proceedings of the ... annual meeting of the Florida State Horticultural Society. 1981 (pub. 1982). v. 94. p. 141-144. Includes 9 ref. (NAL Call No.: 81 F66).

0755

**Detection of disease in stored potatoes (caused by Erwinia carotovora) by volatile monitoring.**  
Varns, J.L. Glynn, M.T. Orono, Me. American potato journal. Apr 1979. v. 56 (4). p. 185-197. ill. 26 ref. (NAL Call No.: 75.8 P842).

0756

**Detection of potato virus X (PVX) in potato cultivars.**  
Jadhav, V.T. Mali, V.R. Bombay. Agriculture and agro-industries journal. May 1978. v. 11 (5). p. 31-32. ill. 14 ref. (NAL Call No.: S19.A32).

0757

**A detective named ELISA (enzyme-linked immunosorbent assay, potato leaf roll virus).**  
Corvallis. Oregon's agricultural progress. Fall 1978. v. 25 (2). p. 11. ill. (NAL Call No.: 100 OR30R).

0758

**DNA plant viruses (Caulimoviruses, geminiviruses, potato leafroll virus).**  
Shepherd, R.J. Palo Alto. Annual review of plant physiology. 1979. v. 30. p. 405-423. 115 ref. (NAL Call No.: 450 AN78).

0759

**The effect of infection with potato leaf roll virus (PLRV) on yield and some of its components in a variety of potato (Solanum tuberosum).**  
Killick, R.J. London. Annals of applied biology. Jan 1979. v. 91 (1). p. 67-74. ill. 11 ref. (NAL Call No.: 442.8 AN72).

0760

**The effect of metribuzin interaction with potato viruses X and Y on potato foliage, yield and grade (Herbicide, necrosis, injury).**  
Corsini, D.L. APDJA. Callihan, R.H.; Garner, J.G. Orono : Potato Association of America. American potato journal. May 1983. v. 60 (5). p. 301-308. ill. Includes references. (NAL Call No.: 75.8 P842).

0761

**Effects of potato virus S and mild potato virus X on early and late harvest yields of the Kennebec cultivar in Maine.**  
Manzer, F.E. Merriam, D.C. Orono, Me., Potato Association of America. American potato journal. Sept 1979. v. 56 (9). p. 435-439. ill. 2 ref. (NAL Call No.: 75.8 P842).

0762

**Effects of virus diseases and potato cyst nematode on yield and methods of control.**  
French, W.M. Cambridge, Eng., NIAB. Fellows conference report National Institute of Agricultural Botany. 1978. 1978. (2). p. 28-32. ill. (NAL Call No.: SB16.G5N3).

0763

**Effects of viruses (SPVD) (sweet potato virus disease) on growth and yield of sweet potato.**  
Hahn, S.K. London, Cambridge University Press. Experimental agriculture. July 1979. v. 15 (3). p. 253-256. ill., plate. 11 ref. (NAL Call No.: 10 EX72).



## (PLANT DISEASES - VIRAL)

0764

**Enzyme-linked immunosorbent assay to detect potato leafroll virus in potato tubers and viruliferous aphids (*Myzus persicae*).**

Clarke, R.G. Converse, R.H. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 43-45. ill. 13 ref. (NAL Call No.: 1.9 P69P).

0765

**Eradication of potato virus Y and S from potato by chemotherapy of cultured axillary bud tips.**

APDJA. Wambugu, F.M. Secor, G.A.; Gudmestad, N.C. Orono, Me. : Potato Association of America. American potato journal. Dec 1985. v. 62 (12). p. 667-672. Includes 11 references. (NAL Call No.: DNAL 75.8 P842).

0766

**Evidence for lack of propagation of potato leaf roll virus in its aphid vector, *Myzus persicae*.**

Eskandari, F. Sylvester, E.S. St. Paul, American Phytopathological Society. Phytopathology. Jan 1979. v. 69 (1). p. 45-47. ill. 19 ref. (NAL Call No.: 464.8 P56).

0767

**Host range and properties of potato black ringspot virus.**

Salazar, L.F. Harrison, B.D. London. Annals of applied biology. Dec 1978. v. 90 (3). p. 375-386. ill., plate. Bibliography p. 385-386. (NAL Call No.: 442.8 AN72).

0768

**Improved control of potato virus Y by mineral oil plus the pyrethroid cypermethrin applied electrostatically.**

CRPTD6: Gibson, R.W. Cayley, G.R. Guildford, Eng. : Butterworths. Crop protection. Dec 1984. v. 3 (4). p. 469-478. Includes references. (NAL Call No.: DNAL SB599.C8).

0769

**Jemseg: a new, early high-yielding potato variety with high resistance to virus Y and immune to virus X.**

Young, D.A. Davies, H.T. Orono, Me., Potato Association of America. American potato journal. July 1979. v. 56 (7). p. 325-328. ill. (NAL Call No.: 75.8 P842).

0770

***Myzus persicae* (Sulzer) in diffuse light and dark rustic storages and resultant PLRV (potato leaf roll virus) transmission.**

Parker, B.L. APOJA. Booth, R.H.; Bryan, J.E. Orono : Potato Association of America. American potato journal. Feb 1983. v. 60 (2). p. 65-74. ill. 5 ref. (NAL Call No.: 75.8 P842).

0771

**Nucleic acids of two phloem-limited viruses: tobacco necrotic dwarf and potato leafroll.**

Takanami, Y. Kubo, S. Cambridge, Eng., Cambridge University Press. Journal of general virology. Sept 1979. v. 44 (pt.3). p. 853-856. ill. 14 ref. (NAL Call No.: QR360.A1U6).

0772

**Partial dominance of resistance to potato virus Y in *Capsicum* (Pepper, breeding).**

Shifriss, C. Marco, S. St. Paul, Minn., American Phytopathological Society. Plant disease. Jan 1980. v. 64 (1). p. 57-59. ill. 10 ref. (NAL Call No.: 1.9 P69P).

0773

**Physical, biological, and chemical control integrated for soilborne diseases in potatoes (Includes *Trichoderma harzianum* as a biocontrol agent against *Rhizoctonia solani* and *Sclerotium rolfsii*).**

Elad, Y. Katan, J.; Chet, I. St. Paul, Minn., American Phytopathological Society. Phytopathology. May 1980. v. 70 (5). p. 418-422. ill. 20 ref. (NAL Call No.: 464.8 P56).

0774

**Plant disease detection by nucleic acid hybridization.**

NASSD. Owens, R.A. Diener, T.O. New York, N.Y. : Plenum Press. NATO advanced science institutes series : Series A : Life sciences. Paper presented at the congress on the "Molecular Form and Function of the Plant Genome," July 4-14, 1984, Renesse, Netherlands. 1985. v. 83. p. 45-53. ill. Includes references. (NAL Call No.: DNAL QH301.N32).

0775

**Potato spindle tuber viroid.**

Singh, R.P. Simla, India, The Association. JIPA, Journal of the Indian Potato Association. Mar 1979. v. 6 (1). p. 20-35. 106 ref. (NAL Call No.: SB211.P8I56).

0776

**Potato virus A lesions on Physalis species.**  
Singh, R.P. Drew, M.E. Orono, Me., Potato Association of America. American potato journal. Aug 1979. v. 56 (8). p. 367-371. ill. 14 ref. (NAL Call No.: 75.8 P842).

0777

**Potato virus T.**  
Salazar, L.F. Harrison, B.D. Kew. Descriptions of plant viruses Commonwealth Mycological Institute. Aug 1978. v.12 (187). 4 p. ill. 5 ref. (NAL Call No.: SB736.C65).

0778

**Purification and characterization of potato leafroll virus.**  
Rowhani, A. Stace-Smith, R. New York, Academic Press. Virology. Oct 15, 1979. v. 98 (1). p. 45-54. ill. 25 ref. (NAL Call No.: 448.8 V81).

0779

**Relationship of green peach aphid (Myzus persicae) numbers to spread of potato leaf roll virus in southern Idaho.**  
Byrne, D.N. Bishop, G.W. College Park, Md., Entomological Society of America. Journal of economic entomology. Dec 1979. v. 72 (6). p. 809-811. ill. 4 ref. (NAL Call No.: 421 J822).

0780

**The relationship of potato black ringspot virus to tobacco ringspot and allied viruses.**  
Salazar, L.F. Harrison, B.D. London. Annals of applied biology. Dec 1978. v. 90 (3). p. 387-394. ill., plate. 13 ref. (NAL Call No.: 442.8 AN72).

0781

**Report of the Planning Conference on Developments in the Control of Potato Viruses, held at CIP-Lima, Peru, November 14-18, 1977.**  
Lima International Potato Center 1978. 171 p. : ill. Includes bibliographies. (NAL Call No.: SB741.M75P6 1977).

0782

**Roquette Eruca sativa an improved host plant for rearing aphid vectors (Myzus persicae, Macrosiphum euphorbiae) of potato viruses.**  
Goth, R.W. Webb, R.E. Orono, Me., Potato Association of America. American potato journal. Oct 1979. v. 56 (10). p. 462. ill. (NAL Call No.: 75.8 P842).

0783

**Rugose mosaic on Red Pontiac potato (Jamaica).**  
Turner, M.P. Rome, World Reporting Service on Plant Diseases and Pests, Food and Agriculture Organization of the United Nations. Plant protection bulletin. 1978. v. 26 (3). p. 131-132. 1 ref. (NAL Call No.: 421 P692).

0784

**Strain identification and cross-protection of potato virus Y affecting tobacco in Chile.**  
PLDRA. Latorre, B.A. Flores, V. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1985. v. 69 (11). p. 930-932. Includes 21 references. (NAL Call No.: DNAL 1.9 P69P).

0785

**Successful hybridization of non-tuberous Solanum etuberosum Lind. and tuber-bearing Solanum pinnatisectum Dun. (Potato breeding for frost, leafroll and Y-virus resistance).**  
Hermsen, J.G.T. Taylor, L.M. Wageningen, Netherlands Study Circle of Plant Breeding. Euphytica. Feb 1979. v. 28 (1). p. 1-7. ill. 13 ref. (NAL Call No.: 450 EU6).

0786

**Survey of wild Ipomoea spp. as potential reservoirs of sweet potato feathery mottle virus in Louisiana.**  
PLDRA. Clark, C.A. Derrick, K.S.; Pace, C.S.; Watson, B. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1986. v. 70 (10). p. 931-932. Includes references. (NAL Call No.: DNAL 1.9 P69P).

0787

**Symptomatological, serological, and electrophoretic diversity of isolates of Andean potato latent virus from different regions of the Andes.**  
Koenig, R. Fribourg, C.E. St. Paul, Minn., American Phytopathological Society. Phytopathology. July 1979. v. 69 (7). p. 748-752. ill., map. 12 ref. (NAL Call No.: 464.8 P56).

0788

**Transmission of potato leaf roll virus by the green peach aphid (Myzus persicae).**  
Holbrook, F.R. College Park, Md. Annals Entomological Society of America. Nov 1978. v. 71 (6). p. 830-831. 8 ref. (NAL Call No.: 420 EN82).

## (PLANT DISEASES - VIRAL)

0789

**Use of IKI (Iodine-potassium-iodine) leafroll test to reduce net necrosis storage losses of potatoes (Virus infection).**

Thomas, P.E.APOJA. Zielinska, L. Orono : Potato Association of America. American potato journal. May 1983. v. 60 (5). p. 309-320. ill. Includes references. (NAL Call No.: 75.8 P842).

0790

**Official variety of potato virus Y resistant flue-cured tobacco varieties, F 108 and F 109.**

Yamamoto, Y. Ono, K. Iwata, Iwata Tabako Shikenjo. Iwata Tabako Shikenjo hokoku. Bulletin of the Iwata Tobacco Experiment Station. Iwata Tabako Shikenjo. Mar 1978. Mar 1978. (11). p. 123-132. ill. 2 ref. (NAL Call No.: SB278.U3I9).

0791

**Potato breeding for resistance to virus diseases in the Polish People's Republic. UKRAINIAN.**

Osypchuk, A.A. Zhuk, V.IU. Kyiv. Visnyk sil's'kohospodars'koi nauky. Feb 1978. Feb 1978. (2). p. 114-115. (NAL Call No.: 20 V82).

0792

**Potato variety ISNA suitable for detection of some potato viruses by leaf test. BULGARIAN.**

Krachanova, B. Dimitrova, E. Sofiia, Ministerstvo na zemedeliето i khranitelnata promishlenost. Rastenievudni nauki. Plant science. 1978. v. 15 (5). p. 85-91. ill. 6 ref. (NAL Call No.: 64.8 R18).

0793

**Potato virus X eradication by thermotherapy combined with culture of axillary meristem tips. ITALIAN.**

Pennazio, S. Vecchiati, M. Firenze, Istituto di Coltivazioni Arboree. Rivista della ortoflorofrutticoltura italiana. Mar/Apr 1979. v. 63 (2). p. 103-113. ill. 24 ref. (NAL Call No.: 86 R22).

0794

**Preliminary studies on the increase in age-related resistance of potato plants to virus S infection under field conditions.**

Wislocka, M. Warszawa, Wydzial Nauk Rolniczych i Lesnych, Polska Akademia Nauk. Zeszyty problemowe postepow nauk rolniczych. 1978. 1978. (214). p. 163-171. ill. 6 ref. (NAL Call No.: 20.5 Z5).

0795

**Preliminary studies on the symptoms of the potato A virus and the susceptibility to it of the potato varieties grown in Bulgaria. BULGARIAN.**

Ivanova, A. Sofiia, Ministerstvo na zemedeliето i khranitelnata promishlenost. Rastenievudni nauki. Plant science. 1978. v. 15 (5). p. 92-100. ill. 9 ref. (NAL Call No.: 64.8 R18).



# PLANT DISEASES – PHYSIOLOGICAL

0796

**Influence of vine senescence and storage on wound healing of Russet Burbank tubers' (Potatoes).**

Braue, C.A. Wample, R.L.; Kolattukudy, P.E.; Thornton, R.; Dean, B.B. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 475-484. ill. Includes 19 references. (NAL Call No.: 75.8 P842).

0797

**Potential control measures for stress-induced physiological disorders of potato tubers.**

Sinden, S.L. AR-BARC. Webb, R.E. Orono, Me., Potato Association of America. American potato journal. Oct 1980. v. 57 (10). p. 493. (NAL Call No.: 75.8 P842).

0798

**Potential for phosphorus toxicity in zinc-stressed corn and potato (Nutrient uptake).**

Christensen, N.W. Jackson, T.L. Madison, Wis., The Society. Soil Science Society of America journal. Sept/Oct 1981. v. 45 (5). p. 904-909. ill. 12 ref. (NAL Call No.: 56.9 S03).

# MISCELLANEOUS PLANT DISORDERS

0799

## Beating the freeze.

Guenthner, J. Moscow, Idaho : The Service. Current information series - Cooperative Extension Service, University of Idaho. May 1984. (734). 2 p. (NAL Call No.: DNAL 275.29 ID13IDC).

0800

## Comparative effects of black walnut toxicity on tomatoes, potatoes and peppers.

MacDaniels, L.H.NONGA. Pratt, A. Hamden : The Association. Annual report - Northern Nut Growers Association. 1982. 1982. (73rd). p. 57-62. ill. Includes references. (NAL Call No.: 94.69 N81).

0801

## A comparison of rates of fluazifop-butyl and time of application on yield, crop injury, and weed control of Katahdin potatoes (Herbicide).

Morrow, L.S.PNWSB. Murphy, H.J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 150-154. (NAL Call No.: 79.9 N814).

0802

## Daminozide protects potato seedlings from metribuzin phytotoxicity.

HJHSA. Phatak, S.C. Jaworski, C.A.; Gbate, S.R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 690-691. Includes 13 references. (NAL Call No.: DNAL SB1.H6).

0803

## Deceptive potato diseases.

WAEBA. Bohnenblust, K.E. Laramie : The Station. Bulletin - B - Wyoming, Agricultural Experiment Station. Nov 1984. (836). 4 p. Includes 22 references. (NAL Call No.: DNAL 100 W99 (1)).

0804

## Differential ozone susceptibility of Centennial Russett and White Rose potato as demonstrated by fumigation and antioxidant treatments (Cultivars, California).

Foster, K.W.APOJA. Guerard, J.P.; Oshima, R.J.; Bishop, J.C.; Timm, H. Orono : Potato Association of America. American potato journal. Feb 1983. v. 60 (2). p. 127-139. ill. 15 ref. (NAL Call No.: 75.8 P842).

0805

## Differential response of six sweet potato (Ipomoea batatas) cultivars to metribuzin.

WEESA6. Harrison, H.F. Jr. Jones, A.; Dukes, P.D. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1985. v. 33 (5). p. 730-733. Includes 12 references. (NAL Call No.: DNAL 79.8 W41).

0806

## Drainage requirements for sweetpotato at harvest (Wet soil injury to roots).

Akparanta, S.E. Skaggs, R.W.; Sanders, D.C. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. May 1980. v. 105 (3). p. 447-451. ill. 11 ref. (NAL Call No.: 81 S012).

0807

## Effect of dinoseb, napropamide, EPTC, and metolachlor applied preplant, preemergence, and at layby on weed control in white potatoes (Crop injury ratings).

Porter, G.A. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 143-146. (NAL Call No.: 79.9 N814).

0808

## Effect of DPX-Y6202 and DPX-F6025 herbicides on weed control in Maine potatoes.

PNWSB. Murphy, H.J. Morrow, L.S. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 181-183. (NAL Call No.: DNAL 79.9 N814).

0809

## Effect of EL5219, oryzalin, and trifluralin in combination with metribuzin on yield, crop injury, and weed control in Katahdin potatoes. Maine--1979.

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 248-249. ill. (NAL Call No.: 79.9 N814).

0810

## Effect of five grass herbicides on yield, crop injury, and weed control in white potatoes.

Murphy, H.J.PNWSB. Morrow, L.S. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 205-207. (NAL Call No.: 79.9 N814).

0811

**The effect of metribuzin interaction with potato viruses X and Y on potato foliage, yield and grade (Herbicide, necrosis, injury).**

Corsini, D.L.APOJA. Callihan, R.H.; Garner, J.G. Orono : Potato Association of America. American potato journal. May 1983. v. 60 (5). p. 301-308. ill. Includes references. (NAL Call No.: 75.8 P842).

0812

**Effect of ozone, antioxidant protection, and early blight on potatoe in the field (Alternaria solani, photochemical air pollution injury).**

Bisessar, S. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. July 1982. v. 107 (4). p. 597-599. 24 ref. (NAL Call No.: 81 S012).

0813

**Effect of reducing oxidant injury and early blight on fresh weight and tuber density of potato.**

PHYTAJ. Holley, J.D. Hofstra, G.; Hall, R. St. Paul, Minn. : American Phytopathological Society. Phytopathology. May 1985. v. 75 (5). p. 529-532. Includes 25 references. (NAL Call No.: DNAL 464.8 P56).

0814

**Effect of several combinations of alachlor, linuron, metribuzin, and CP55097 on yield, crop injury, and weed control in Katahdin potatoes.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 204-207. ill. (NAL Call No.: 79.9 N814).

0815

**Effect of several herbicides and combinations applied preemergence and preplant incorporated on yield, crop injury, and weed control of Katahdin potatoes. Maine--1979.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 246-247. ill. (NAL Call No.: 79.9 N814).

0816

**The effect of stone windrowing on potato harvesting.**

APOJA. Misener, G.C. McLeod, C.D. Orono, Me. : Potato Association of America. American potato journal. Sept 1986. v. 63 (9). p. 495-499. Includes references. (NAL Call No.: DNAL 75.8

P842).

0817

**The effect of storage and wounding on ethylene production by sweet potato.**

HJHSA. Randle, W.M. Woodson, W.R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1986. v. 21 (4). p. 1018-1019. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

0818

**Effect of S734 (experimental herbicide) in combination with metribuzin and linuron applied preplant incorporated on yield, crop injury, and weed control in Katahdin potatoes.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 255-258. ill. (NAL Call No.: 79.9 N814).

0819

**Effect of two formulations of linuron and three formulations of metribuzin in combination with pendimethalin on yield, crop injury, and weed control in katahdin potatoes.**

Morrow, L.S. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 235-237. ill. (NAL Call No.: 79.9 N814).

0820

**Effects of some carbamate pesticide combinations used in Irish potato production (Insect control, sprouting, early yield).**

Sherrod, D.W. Virginia Beach, Va., Virginia Polytechnic Inst. and State University Cooperative Extension Service. The Vegetable growers news. June 1982. v. 36 (12). p. 1-2. (NAL Call No.: 275.28 V52).

0821

**The effects of trifluralin on potato phytotoxicity and yield.**

PNWSB. Moyer, D.D. Soto, M.; Sieczka, J.B. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. Jan 1984. v. 38. p. 158-162. (NAL Call No.: DNAL 79.9 N814).



## (MISCELLANEOUS PLANT DISORDERS)

0822

**Effects of vine removal prior to flooding on ethanol concentration and storage quality of sweet potato roots (*Ipomoea batatas*, flooding damage, wet soil injury).**

Corey, K.A. Collins, W.W. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1982. v. 17 (4). p. 631-632. ill. 8 ref. (NAL Call No.: SB1.H6).

0823

**Ethanol, alcohol dehydrogenase, and pyruvate decarboxylase in storage roots of four sweet potato cultivars during simulated flood-damage and storage.**

Chang, L.A. Hammett, L.K.; Pharr, D.M. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. July 1982. v. 107 (4). p. 674-677. ill. 14 ref. (NAL Call No.: 81 S012).

0824

**Fertilizer injury to potatoes as affected by fertilizer source, rate and placement (Phytotoxicity, comparison of ammoniated and blended fertilizers, New York).**

Chu, C.C. Plate, H.; Matthews, D.L. Orono, Me. : Potato Association of America. American potato journal. Oct 1984. v. 61 (10). p. 591-597. Includes 8 references. (NAL Call No.: 75.8 P842).

0825

**Flooding damage in sweetpotatoes.**

Collins, W.W. Pharr, D.M. (v.p.) : The Society. Proceedings of the Tropical Region, American Society for Horticultural Science : annual meeting. 1983. v. 27 (pt. B). p. 107-118. ill. Includes references. (NAL Call No.: 81 AM325).

0826

**Freezing injury to potatoes /by R.C. Wright and H.C. Diehl.**

Wright, R. C. 1885. Diehl, H. C. Washington : U.S. Dept. of Agriculture, 1927. Caption title. 24 p., 3 leaves of plates : col. ill. ; 23 cm. Literature cited: p. 23. (NAL Call No.: DNAL 1 Ag84Te no.27).

0827

**Frost injury and heterogeneous ice nucleation in leaves of tuber-bearing *Solanum* species. Ice nucleation activity of external source of nucleants (Includes *Solanum tuberosum*, potatoes).**

Rajashekar, C.B. PLPHA. Li, P.H.; Carter, J.V. Rockville : American Society of Plant Physiologists. Plant physiology. Apr 1983. v.

71 (4). p. 749-755. Includes references. (NAL Call No.: 450 P692).

0828

**Glycoalkaloid levels in potato tubers and leaves after intermittent plant exposure to ozone (Injury).**

Speroni, J.J. Pell, E.J.; Weissberger, W.C. Orono, Me., Potato Association of America. American potato journal. Aug 1981. v. 58 (8). p. 407-414. 26 ref. (NAL Call No.: 75.8 P842).

0829

**Impact of repeated nitrogen dioxide exposures on composition and yield of potato foliage and tubers (Total glycoalkaloid status, phytotoxicity).**

Pawloski Sinn, J. Pell, E.J. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. July 1984. v. 109 (4). p. 481-484. Includes 28 references. (NAL Call No.: 81 S012).

0830

**The influence of weather on the response of potato cultivars to metribuzin (Herbicide).**

Freeman, J.A. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Mar 1982. v. 107 (2). p. 189-194. Includes 11 ref. (NAL Call No.: 81 S012).

0831

**Maine's anti-bruise campaign (Potato damage control, processing methods, research projects).**

Stiles, D.B. MAMRA. Hallee, N.D.; Chapman, K.S. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 91-94. (NAL Call No.: 100 M28M).

0832

**Metribuzin absorption, translocation, and distribution in two potato (*Solanum tuberosum*) cultivars.**

WEESA6. Gawronski, S.W. Haderlie, L.C.; Callihan, R.H.; Dwelle, R.B. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1985. v. 33 (5). p. 629-634. ill. Includes 20 references. (NAL Call No.: DNAL 79.8 W41).

0833

**Potato freezing injury and survival, and their relationships to other stress (Breeding for resistance).**

Li, P.H. Toivio-Kinnucan, M.; Chen, H.H.; Palta, J.P. Orono, Me., Potato Association of America. American potato journal. Jan 1981. v. 58 (1). p. 15-29. ill. 47 ref. (NAL Call No.: 75.8 P842).

0834

**Properties of a mixed function oxygenase catalyzing ipomeamarone 15-hydroxylation in microsomes from cut-injured and Ceratocystis fimbriata-infected sweetpotatoes root tissues (Ipomoea batatas).**

Fujita, M. Oba, K.; Uritani, I. Rockville, Md., American Society of Plant Physiologists. Plant physiology. Aug 1982. v. 70 (2). p. 573-578. ill. 31 ref. (NAL Call No.: 450 P692).

0835

**Simulated herbicide drift injury in potatoes.**

WSWPA. Leino, P.W. Haderlie, L.C. Reno : The Society. Proceedings - Western Society of Weed Science. Includes statistical data. 1985. v. 38. p. 93-99. (NAL Call No.: DNAL 79.9 W52).

0836

**The value of early blight control on hail injured Russet Burbank and Centennial Russet potatoes.**

Workman, M. Holm, D. Ft. Collins, Colo. : The Station. Progress report - Colorado Experiment Station. Oct 1984. (19). 2 p. (NAL Call No.: DNAL 100 C71C).

0837

**Weed control of potatoes on Long Island, 1984.**

PNWSB. Sieczka, J.B. Creighton, J.F. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 176-180. (NAL Call No.: DNAL 79.9 N814).

0838

**Wound healing, decay and chemical treatment of cut potato tuber tissue. -**

APQJA. Nolte, P. Secor, G.A.; Gudmestad, N.C. Orono, Me. : Potato Association of America. American potato journal. Jan 1987. v. 64 (1). p. 1-9. Includes references. (NAL Call No.: DNAL 75.8 P842).

# PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.

0839

**Alternaria alternata: A new pathogen on stored potatoes (Responsible for a black pit disease on mechanically harvested potato tubers, Israel).**

Droby, S. Prusky, D.; Dinor, A.; Barkai-Golan, R. St. Paul, American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 160-161. ill. Includes references. (NAL Call No.: 1.9 P69P).

0840

**Antioxidants added to packaging material...not to food.**

Radnor, Pa., Chilton. Abstract: Putting antioxidants into packaging materials in addition to or instead of into the product is suggested as a way to lessen antioxidant consumption. Oxygen attacks food on the food surface causing rancidity and deterioration of flavor and aroma. Cereal flakes, potato chips, crackers, etc. are protected from oxidation by BHA or BHT added to the product. Putting the antioxidants in the packaging is cheaper. FDA permission is needed, and a standardized test to measure migration quickly and accurately is being developed. Food engineering. Apr 1979. v. 51 (4). p. 85-86.

0841

**Assessment of bacterial soft rot potential in potatoes.**

Buelow, F.H. Maher, E.; Kelman, A. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-4030). 13 p. Includes references. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0842

**Bacterial soft rot potential in washed potato tubers in relation to temperatures of tubers and water during simulated commercial handling practices (Erwinia carotovora, storage injuries).**

Bartz, J.A. Kelman, A. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 485-493. Includes 23 references. (NAL Call No.: 75.8 P842).

0843

**Bacterization of potatoes with Pseudomonas putida and its influence on postharvest soft rot diseases (Overlay technique with Erwinia carotovora).**

Colyer, P.D. Mount, M.S. St. Paul, Minn. : American Phytopathological Society. Plant disease. Aug 1984. v. 68 (8). p. 703-706. ill. Includes 28 references. (NAL Call No.: 1.9 P69P).

0844

**Bruising, freezing, and chemical injury of potatoes in transit /by R.C. Wright.**

Wright, R. C. 1885. Washington : U.S. Dept. of Agriculture, 1939. Caption title. 22 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84Te no.668).

0845

**Calcium in potato tuber cell walls in relation to tissue maceration by Erwinia carotovora pv. atroseptica.**

PHYTA. McGuire, R.G. Kelman, A. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Apr 1986. v. 76 (4). p. 400-406. ill. Includes 37 references. (NAL Call No.: DNAL 464.8 P56).

0846

**Chain speed adjustment to obtain low tuber damage at harvest.**

Thornton, R.E. Hyde, G.M.; Thornton, R.K.; Hammond, M.W. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-1141). 11 p. Includes references. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0847

**Commercial potato production and storage (Wisconsin).**

Curwen, D. Kelling, K.A.; Schoenemann, J.A.; Stevenson, W.R.; Wyman, J.A. Madison : The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Feb 1982. Feb 1982. (A2257). 5 p. (NAL Call No.: S544.3.W6W53).



0848

**Computer keeps potatoes breathing easy.**

AGREA. Cooke-Stinson, L. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Nov/Dec 1986. v. 34 (10). p. 12-13. ill. (NAL Call No.: DNAL 1.98 AG84).

0849

**Control of postharvest glycoalkaloid formation in potato tubers.**

Salunkhe, D.K. Wu, M.T. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Abstract: Light and mechanical injury are the most important environmental factors which stimulate postharvest glycoalkaloid synthesis in potato tubers, resulting in a bitter taste and off-flavor. Partial control light-induced glycoalkaloid formation has been achieved by treating tubers with chemicals such as Ethephon, Alar, Phosphon, Phosphon-S, Amchem 72-A42, Amchem 70-334, Nemagon, Telone, detergents, surfactants, control-atmosphere storage and subatmospheric pressure storage. Complete inhibition of light-induced glycoalkaloid formation can only be obtained by hot wax coating, oil coating, vacuum packaging and anoxia water submersion. Treatment with a sprout inhibitor and gamma-irradiation control wound-induced glycoalkaloid formation. Journal of food protection. June 1979. v. 42 (6). p. 519-525. ill., charts. 42 ref.

0850

**Control of terpenoid metabolism in the potato-Phytophthora infestans interaction.**

Kuc, J. Henfling, J. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Abstract: Two groups of terpenoids, the steroid glycoalkaloids and sesquiterpenoid phytoalexins, may protect potatoes against infectious diseases. Steroid glycoalkaloids are always present in potatoes; sesquiterpenoid phytoalexins are found only in and around infected tissues. Inoculation of potato tubers with incompatible races of Phytophthora infestans elicits accumulation of sesquiterpenoid phytoalexins. Specificity in the potato-P. infestans interaction may be determined by the ability of compatible races of the fungus to produce low molecular weight glucans which suppress terpenoid accumulation and hypersensitive cell death in the host. Temperature, aging, ethylene and mechanisms for degradation also influence terpenoid accumulation. Journal of food protection. June 1979. v. 42 (6). p. 508-511. 37 ref.

0851

**Detection of disease in stored potatoes (caused by Erwinia carotovora) by volatile monitoring.**

Varns, J.L. Glynn, M.T. Orono, Me. American potato journal. Apr 1979. v. 56 (4). p. 185-197. ill. 26 ref. (NAL Call No.: 75.8 P842).

0852

**Development of Meloidogyne incognita in stored potato tubers.**

Jatala, P. Booth, R.H.; Wiersema, S.G. Ames, Iowa, Society of Nematologists. Journal of nematology. Jan 1982. v. 14 (1). p. 142-143. ill. Includes 4 ref. (NAL Call No.: QL391.N4J62).

0853

**Disorders in potato shipments to the New York market, 1972-1980.**

Cappellini, R.A. Ceponis, M.J.; Wells, J.M.; Lightner, G.W. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1984. v. 68 (11). p. 1018-1020. Includes 5 references. (NAL Call No.: 1.9 P69P).

0854

**The economic importance of bruising to Idaho potatoes in transit.**

Meyer, N.L. Phelps, R.L.; Kleinschmidt, G.; Devoy, M.L. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-6022). 21 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0855

**Effect of gamma irradiation on peroxidase isoenzymes during suberization of wounded potato tubers.**

Thomas, P. Delincee, H. Oxford, Pergamon Press. Phytochemistry. 1979. v. 18 (6). p. 917-921. ill. 31 ref. (NAL Call No.: 450 P5622).

0856

**Effect of sprout inhibitor isopropyl N-(3-chlorophenyl)carbamate (CIPC) on phenolic and ascorbic acid content of potatoes.**

JAFCAU. Ponnampalam, R. Mondy, N.I. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1986. v. 34 (2). p. 262-263. Includes references. (NAL Call No.: DNAL 381 J8223).

(PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.)

0857

**The effect of storage environment on the infection of potato tubers by *Alternaria solani*.**

Nnodu, E.C. Harrison, M.D.; Workman, M. Orono, Me., Potato Association of America. American potato journal. July 1982. v. 59 (7). p. 313-325. ill. 26 ref. (NAL Call No.: 75.8 P842).

0858

**Effects of potato tuber age and storage on sesquiterpenoid stress metabolite accumulation, steroid glycoalkaloid accumulation, and response to abscisic and arachidonic acids (*Phytophthora infestans*, *Solanum tuberosum*).**

Bostock, R.M. PHYTA. Nuckles, E.; Henfling, J.W.D.M.; Kuc, J.A. St. Paul : American Phytopathological Society. Phytopathology. Mar 1983. v. 73 (3). p. 435-438. ill. Includes references. (NAL Call No.: 464.8 P56).

0859

**Effects of vine removal prior to flooding on ethanol concentration and storage quality of sweet potato roots (*Ipomoea batatas*, flooding damage, wet soil injury).**

Corey, K.A. Collins, W.W. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1982. v. 17 (4). p. 631-632. ill. 8 ref. (NAL Call No.: SB1.H6).

0860

**Ethylene (produced by microorganisms) in a compacted field soil and its effect on growth, tuber quality, and yield of potatoes (Inhibition).**

Campbell, R.B. Moreau, R.A. Orono, Me. American potato journal. Apr 1979. v. 56 (4). p. 199-210. ill. 11 ref. (NAL Call No.: 75.8 P842).

0861

**Factors in the inception and development of *Fusarium* rot in stored potatoes /by Freeman Weiss, J.I. Lauritzen, and Philip Brierley.**

Weiss, Freeman 1892. Lauritzen, John I. 1884-; Brierley, Philip. Washington : U.S. Dept. of Agriculture, 1928. Cover title. 36 p., 6 p. of plates : ill. ; 23 cm. Literature cited: p. 34-35. (NAL Call No.: DNAL 1 Ag84Te no.62).

0862

**Infiltration of lenticels of potato tubers by *Erwinia carotovora* pv. *carotovora* under hydrostatic pressure in relation to bacterial soft rot.**

PLDRA. Bartz, J.A. Kelman, A. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1985. v. 69 (1). p. 69-74. Includes 20 references. (NAL Call No.: DNAL 1.9 P69P).

0863

**Influence of nitrogen fertilization on potato discoloration in relation to chemical composition. 2. Phenols and ascorbic acid.**

Mondy, N.I. Koch, R.L. Washington, American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1979. v. 27 (2). p. 418-420. ill. 22 ref. (NAL Call No.: 381 J8223).

0864

**Influence of preharvest temperature and flooding (soil conditions) on sweetpotato roots in storage (Rots).**

Ahn, J.K. Collins, W.W.; Pharr, D.M. Alexandria, Va., American Society for Horticultural Science. HortScience. June 1980. v. 15 (3). p. 261-263. ill. 4 ref. (NAL Call No.: SB1.H6).

0865

**Influence of prestorage chemical treatments on out-of-storage market quality of potatoes.**

Cargill, B.F. Ledebuhr, R.L.; Price, K.C.; Forbush, T.D. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-4028). 18 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0866

**Influence of temperature and length of storage on resistance of potato to tuber rot induced by *Erwinia chrysanthemi*.**

Hidalgo, O.A. APOJA. Echandi, E. Orono : Potato Association of America. American potato journal. Jan 1983. v. 60 (1). p. 1-15. ill. 27 ref. (NAL Call No.: 75.8 P842).



0867

**Influence of vine senescence and storage on wound healing of Russet Burbank tubers' (Potatoes).**

Braue, C.A. Wample, R.L.; Kolattukudy, P.E.; Thornton, R.; Dean, B.B. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 475-484. ill. Includes 19 references. (NAL Call No.: 75.8 P842).

0868

**Inoculation of potato tubers with Erwinia carotovora during simulated commercial washing and fluming practices (Bacterial soft rot, condensation and water exposure during storage and handling).**

Bartz, J.A. Kelman, A. Orono, Me. : Potato Association of America. American potato journal. Aug 1984. v. 61 (8,pt.1). p. 495-507. ill. Includes 27 references. (NAL Call No.: 75.8 P842).

0869

**An investigation of several physical and chemical factors associated with chilling injury in stored sweetpotato cultivars.**

Marr, Charles William, 1941. Ann Arbor, Mich. University Microfilms 1971. Thesis--University of Tennessee, 1970. x, 95 leaves. Bibliography: leaves 89-94. (NAL Call No.: DISS 71-7,658).

0870

**Mechanical properties and bruise susceptibility of potatoes.**

Wouters, A. Vervaeke, F.; Baerdemaeker, J. de. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road,. Summer 1985. (fiche no. 85-6013). 20 p. Includes references. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0871

**Mitochondrial changes during storage of untreated or CIPC (chlorpropham)-treated potatoes.**

Ravanel, P. Tissut, M. New York, N.Y. : Academic Press. Pesticide biochemistry and physiology. Aug 1984. v. 22 (1). p. 1-7. ill. Includes references. (NAL Call No.: SB951.P49).

0872

**Mycotoxigenic penicillia and other fungi associated with spoilage of potatoes subjected to low temperature storage / Walter T. Trial.**  
Trial, Walter T. (S.I.) University of Idaho Graduate School 1975. Thesis (M.S.)--University of Idaho, 1975. Cover title. ix, 81 leaves ; 28 cm. (NAL Call No.: SB608.P8T7).

0873

**Potato bins need ventilation (Storage, rot diseases).**

Hardin, G.B. Washington, U. S. Agricultural Research Service. Agricultural research. Dec 1978. v. 27 (6). p. 15. (NAL Call No.: 1.98 AG84).

0874

**Potato bruising during transport.**

Grant, S.W. Turczyn, M.T.; Ashby, B.H.; Hallee, N.D.; Kleinschmidt, G.D.; Wheaton, F.W. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road,. Summer 1985. (fiche no. 85-6023). 20 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0875

**Potato losses during the first three months of storage for processing.**

AP0JA. Varns, J.L. Schaper, L.A.; Preston, D.A. Orono, Me. : Potato Association of America. American potato journal. Feb 1985. v. 62 (2). p. 91-99. Includes 10 references. (NAL Call No.: DNAL 75.8 P842).

0876

**Potato sprout inhibition by camptothecin, a naturally occurring plant growth regulator (in storage).**

Wang, C.Y. AR-NE. Buta, J.G.; Moline, H.E.; Hruschka, H.W. Mount Vernon, Va., The Society. Journal of the American Society for Horticultural Science. American Society for Horticultural Science. Jan 1980. v. 105 (1). p. 120-124. ill. 16 ref. (NAL Call No.: 81 S012).

0877

**Potato storage management.**

Fairbanks : The Services. Publication - University of Alaska, Cooperative Extension Service, Division of Statewide Services. Oct 1980. (P-1-024). 2 p. ill. (NAL Call No.: DNAL 275.29 AL13P).



## (PROTECTION OF PLANT PRODUCTS - GENERAL AND MISC.)

0878

### **Pregelatinized cara (water yam) flour; effect on dough and bread quality.**

El-Dash, A.A. Tosello, A. St. Paul, American Association of Cereal Chemists. Cereal chemistry. Nov/Dec 1978. v. 55 (6). p. 799-808. ill. 9 ref. (NAL Call No.: 59.8 C33).

0879

### **Protection of potatoes from cold in transitlining and loading cars. -.**

Washington, D.C. : U.S. Dept. of Agriculture, 1920. 27 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1091).

0880

### **A rapid test for identifying blackspot bruise of potatoes.**

Beaver, G. DeVoy, M. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road,. Summer 1985. (fiche no. 85-6015). 10 p. Includes references. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0881

### **Reducing potato harvesting bruise (Mainly by adjusting harvester equipment).**

Hyde, G.M.WUEXA. Thornton, R.E.; Hermanson, R.E. Pullman : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Jan 1983. Jan 1983. (1080). 5 p. ill. Includes references. (NAL Call No.: 275.29 W27P).

0882

### **Reduction of glycoalkaloid synthesis in potato slices by water soaking.**

Mondy, N.I. Chandra, S. Mt. Vernon, Va., American Society for Horticultural Science. HortScience. Apr 1979. v. 14 (2). p. 173-174. ill. 19 ref. (NAL Call No.: SB1.H6).

0883

### **Relationship of pectolytic clostridia and Erwinia carotovora strains to decay of potato tubers in storage.**

Campos, E. Maher, E.A.; Kelman, A. St. Paul, American Phytopathological Society. Plant disease. July 1982. v. 66 (7). p. 543-546. ill. Includes 25 ref. (NAL Call No.: 1.9 P69P).

0884

### **Stress metabolites of the potato and other solanaceous plants.**

Osman, S.F. Zacharius, R.M. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Abstract: The chemical characterization, formation, detection, and toxicity of stress compounds of solanaceous plants are reviewed. Most of the research has centered on the potato, particularly on glycoalkaloid composition. About twenty phytoalexins of solanaceae produced in response to microbial infections have been identified which are either sesquiterpine or norsesterpine derivatives. Nonspecific stress may produce chemical alterations via catabolic processes. More research is needed to understand the complex chemical changes in stressed plant tissue and the effect on food safety. Journal of food protection. June 1979. v. 42 (6). p. 502-507. ill., charts. 34 ref.

0885

### **Tuber quality control in potatoes for chip production from vine kill to storage.**

Eddowes, M. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road,. Summer 1985. (fiche no. 85-6026). 5 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0886

### **Use of IKI (Iodine-potassium-iodine) leafroll test to reduce net necrosis storage losses of potatoes (Virus infection).**

Thomas, P.E.APOJA. Zielinska, L. Orono : Potato Association of America. American potato journal. May 1983. v. 60 (5). p. 309-320. ill. Includes references. (NAL Call No.: 75.8 P842).

0887

### **Yam protection. 1. Seed-piece treatment with fungicide.**

JAUPA. Mignucci, J.S. Hepperly, P.R.; Velez, H.; Torres, R. Mayaguez : University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Apr 1984. v. 68 (2). p. 185-192. Includes 24 references. (NAL Call No.: DNAL 8 P832J).

# PROTECTION OF PLANT PRODUCTS - INSECTS

0888

**Economic feasibility of radiation insect disinfestation of foods.**

Urbain, W.M. Honolulu : Hawaii Institute of Tropical Agric. & Human Resources, Univ. of Hawaii, Manoa, 1985. Radiation disinfestation of food and agricultural products : proceedings of an international conference, Honolulu, Hawaii, November 14-18, 1983 / edited by James H. Moy. Includes case study of potato processing facility in Japan. p. 333-341. ill. Includes 3 references. (NAL Call No.: DNAL TP371.8.R284).

0889

**Myzus persicae (Sulzer) in diffuse light and dark rustic storages and resultant PLRV (potato leaf roll virus) transmission.**

Parker, B.L.APOJA. Booth, R.H.; Bryan, J.E. Orono : Potato Association of America. American potato journal. Feb 1983. v. 60 (2). p. 65-74. ill. 5 ref. (NAL Call No.: 75.8 P842).

0890

**Potato diseases / by Avery E. Rich.**

Rich, Avery E. New York Academic Press 1983. Includes index. xiv, 238 p. : ill. ; 24 cm. Bibliography: p. 199-225. (NAL Call No.: SB608.P8R43).

# WEEDS

0891

**Alachlor plus metribuzin for weed control in potatoes.**

Lynn, L.B. Edwards, G.E. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 229-234. ill. 20 ref. (NAL Call No.: 79.9 N814).

0892

**Central irrigated Washington weed control guide: chemical weed control in potatoes.**

WUEXA. Parker, R. Ogg, A.G. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Dec 1984. (0842,rev.). 5 p. Includes references. (NAL Call No.: DNAL 275.29 W27P).

0893

**Chemical recommendations in commercial potato production (Weed control, insect control).**

Binning, L.K. Wyman, J.A.; Stevenson, W.R. Madison, Wis., The Programs. Publication - Cooperative Extension Programs, University of Wisconsin Extension. June 1981. June 1981. (A2352). 6 p. (NAL Call No.: S544.3.W6W53).

0894

**Chemical weed control in potatoes.**

Parker, R. Pullman, Wash., The Service. Extension bulletin - Washington State University, Cooperative Extension Service. Apr 1981. Apr 1981. (0842). 4 p. (NAL Call No.: 275.29 W27P).

0895

**Chemical weed control in potatoes.**

WUEXA. Parker, R. Ogg, A.G. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Dec 1984. (0842, rev.). 5 p. (NAL Call No.: DNAL 275.29 W27P).

0896

**Chemical weed control in potatoes.**

Schubert, O.E. Young, R.J.; Alt, F.L. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 171-176. Includes 12 ref. (NAL Call No.: 79.9 N814).

0897

**Chemical weed control in potatoes (Herbicide use).**

Parker, R. Ogg, A.G. Pullman, Wash. : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Feb 1984. Feb 1984. (0842,rev.). 6 p. (NAL Call No.: 275.29 W27P).

0898

**Combinations of metolachlor with metribuzin, linuron, dinoseb, and chlorbromuron for weed control in Katahdin potatoes.**

Murphy, H.J. Morrow, L.S. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 187-190. ill. (NAL Call No.: 79.9 N814).

0899

**A comparison of PP009, sethoxydim, and diclofop applied to layby on weed control in white potatoes.**

Murphy, H.J. Morrow, L.S.; Porter, G.A. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 154-157. (NAL Call No.: 79.9 N814).

0900

**A comparison of rates of fluazifop-butyl and time of application on yield, crop injury, and weed control of Katahdin potatoes (Herbicide).**

Morrow, L.S. PNWSB. Murphy, H.J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. (37th). p. 150-154. (NAL Call No.: 79.9 N814).

0901

**A comparison of several grass herbicides for control of grass in Maine potatoes.**

PNWSB. Morrow, L.S. Murphy, H.J. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. Jan 1984. v. 38. p. 151-154. (NAL Call No.: DNAL 79.9 N814).

0902

**A comparison of several herbicide combinations for weed control in Katahdin potatoes.**

Morrow, L.S. Murphy, H.J. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 183-186. ill. (NAL Call No.: 79.9 N814).



0903

**A comparison of three formulations of metribuzin alone and in combinations of pendimethalin for weed control in potatoes.**  
Morrow, L.S. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 114-115. p. 114-115. (NAL Call No.: 79.9 N814).

0904

**A comparison of twelve adjuvants used with diquat for potato vine desiccation in Maine.**  
Murphy, H.J. Morrow, L.S. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 53-56. ill. (NAL Call No.: 79.9 N814).

0905

**A comparison of various formulations of metribuzin and S734 for weed control in white potatoes.**  
Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 160-163. (NAL Call No.: 79.9 N814).

0906

**Comparison of various weed control programs for potatoes.**  
Chitsaz, M. APOJA. Nelson, D.C. Orono : Potato Association of America. American potato journal. Apr 1983. v. 60 (4). p. 271-280. Includes references. (NAL Call No.: 75.8 P842).

0907

**Control of quackgrass in Russet Burbank potatoes.**  
OASPA. James, S.R. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. July 1985. (747). p. 33-36. (NAL Call No.: DNAL 100 OR3M).

0908

**The control of volunteer potatoes in the autumn in cereal stubbles. I. Factors affecting potato regrowth.**  
Lutman, P.J.W. London, Association of Applied Biologists. Annals of applied biology. Sept 1979. v. 93 (1). p. 41-47. ill. 9 ref. (NAL Call No.: 442.8 AN72).

0909

**The control of volunteer potatoes in the autumn in cereal stubbles. II. The performance of glyphosate and aminotriazole.**  
Lutman, P.J.W. London, Association of Applied Biologists. Annals of applied biology. Sept 1979. v. 93 (1). p. 49-54. ill. 5 ref. (NAL Call No.: 442.8 AN72).

0910

**The control of yellow nutsedge (Cyperus esculentus) in potatoes with DPX 4129.**  
Selleck, G.W. Greider, R.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 238-241. ill. 3 ref. (NAL Call No.: 79.9 N814).

0911

**Diseases of potatoes.**  
Bissonnette, H. Morgan, F. St. Paul. Extension folder Minnesota. University. Agricultural Extension Service. 1979. 1979. (481). 2 p. ill. (NAL Call No.: 275.29 M66EX).

0912

**Dry bulk impregnation (Herbicide on potatoes).**  
Janzen, K. Hackett, H. Washington, D.C., Fertilizer Institute. Fertilizer progress. Jan/Feb 1982. v. 13 (1). p. 28-30, 32, 34. (NAL Call No.: S631.F44).

0913

**Economic losses in potatoes due to weeds (in the United States).**  
Murphy, H.J. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 48-51. ill. (NAL Call No.: 79.9 N814).

0914

**Effect of CGA-82725 and metolachlor combinations with metribuzin on weed control in Katahdin potatoes.**  
Morrow, L.S. PNWSB. Murphy, H.J. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 210-213. (NAL Call No.: 79.9 N814).

## (WEEDS)

0915

**Effect of cultural practices and herbicides on weed population and competition in potatoes.**

Rioux, R. Comeau, J.E. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Apr 1979. v. 59 (2). p. 367-374. ill. 18 ref. (NAL Call No.: 450 C16).

0916

**Effect of dinoseb, napropamide, EPTC, and metolachlor applied preplant, preemergence, and at layby on weed control in white potatoes (Crop injury ratings).**

Porter, G.A. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 143-146. (NAL Call No.: 79.9 N814).

0917

**Effect of DPX-Y6202 and DPX-F6025 herbicides on weed control in Maine potatoes.**

PNWSB. Murphy, H.J. Morrow, L.S. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 181-183. (NAL Call No.: DNAL 79.9 N814).

0918

**Effect of EL5219, oryzalin, and trifluralin in combination with metribuzin on yield, crop injury, and weed control in Katahdin potatoes. Maine--1979.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 248-249. ill. (NAL Call No.: 79.9 N814).

0919

**Effect of five grass herbicides on yield, crop injury, and weed control in white potatoes.**

Murphy, H.J. PNWSB. Morrow, L.S. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. (37th). p. 205-207. (NAL Call No.: 79.9 N814).

0920

**Effect of fluazifop-butyl and sethoxydim for grass control in Maine potatoes.**

PNWSB. Murphy, H.J. Morrow, L.S. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. Jan 1984. v. 38. p. 139-142. (NAL Call No.: DNAL 79.9 N814).

0921

**Effect of metribuzin, CGA82725, and metolachlor applied post emergence and at layby on yield and weed control in Katahdin potatoes.**

Morrow, L.S. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 135-138. (NAL Call No.: 79.9 N814).

0922

**Effect of metribuzin combined with alachlor and glyphosate on weed control in potatoes.**

Morrow, L.S. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 112-113. p. 112-113. (NAL Call No.: 79.9 N814).

0923

**Effect of oryzalin and other herbicide treatments on selected quality factors of sweet potatoes.**

Hammett, L.K. Monaco, T.J. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. May 1982. v. 107 (3). p. 432-436. 15 ref. (NAL Call No.: 81 S012).

0924

**Effect of preplant incorporated applications of EPTC, cycloate, and vernolate followed by preemergence application of dinoseb on yield, crop injury, and weed control in Katahdin potatoes.**

Morrow, L.S. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 242-245. ill. (NAL Call No.: 79.9 N814).

0925

**Effect of rate and time of clopropoxydim applications on grass control in white potatoes.**

PNWSB. Morrow, L.S. Murphy, H.J. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 163-165. (NAL Call No.: DNAL 79.9 N814).

0926

**Effect of R40244 and SC5676 on preemergence weed control in Katahdin potatoes.**

PNWSB. Morrow, L.S. Murphy, H.J. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 173-175. (NAL Call No.: DNAL 79.9 N814).



0927

Effect of several combinations of alachlor, linuron, metribuzin, and CP55097 on yield, crop injury, and weed control in Katahdin potatoes. Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 204-207. ill. (NAL Call No.: 79.9 N814).

0928

The effect of several grass herbicides in combination with pendimethalin on weed control in Katahdin potatoes.

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 168-170. (NAL Call No.: 79.9 N814).

0929

Effect of several herbicides and combinations applied preemergence and preplant incorporated on yield, crop injury, and weed control of Katahdin potatoes. Maine--1979.

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 246-247. ill. (NAL Call No.: 79.9 N814).

0930

Effect of several herbicides applied at different time sequences on yield (crop injury) and weed control in white potatoes. Maine--1978.

Morrow, L.S. Murphy, H.J. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 197-199. ill. (NAL Call No.: 79.9 N814).

0931

Effect of several preemergence and post emergence herbicide treatments on quackgrass and wild radish control in white potatoes (*Agropyron repens*).

Murphy, H.J. PNWSB. Morrow, L.S. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. (37th). p. 208-209. (NAL Call No.: 79.9 N814).

0932

Effect of S734 (experimental herbicide) in combination with metribuzin and linuron applied preplant incorporated on yield, crop injury, and weed control in Katahdin potatoes.

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 255-258. ill. (NAL Call No.: 79.9 N814).

0933

The effect of time and rate of application of fluazifop-butyl for grass control in Maine potatoes.

PNWSB. Morrow, L.S. Murphy, H.J. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. Jan 1984. v. 38. p. 145-148. (NAL Call No.: DNAL 79.9 N814).

0934

Effect of two formulations of linuron and three formulations of metribuzin in combination with pendimethalin on yield, crop injury, and weed control in katahdin potatoes.

Morrow, L.S. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 235-237. ill. (NAL Call No.: 79.9 N814).

0935

Effect of various combinations of EPTC, lactofen, and PPG-1013 on broad spectrum weed control in white potatoes.

PNWSB. Murphy, H.J. Morrow, L.S. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 170-172. (NAL Call No.: DNAL 79.9 N814).

0936

Effects of selected adjuvants on weed control and yield of potatoes.

Minotti, P.L. Bayer, G.H. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 217-221. ill. 7 ref. (NAL Call No.: 79.9 N814).

0937

Efficacy of pendimethalin and oryzalin alone and in combination with metribuzin in potatoes (for control of *Echinochloa crus-galli*, *Polygonum pensylvanicum*).

Selleck, G.W. Beltsville, Md., The Society. Proceedings - annual meeting of the



## (WEEDS)

Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 208-216. ill. 5 ref. (NAL Call No.: 79.9 N814).

0938

**The efficacy of R013-8895 for annual and perennial grass control in white potatoes (Herbicide).**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 110-111. p. 110-111. (NAL Call No.: 79.9 N814).

0939

**Efficacy of SD95481 and AC252,214 for weed control in white potatoes.**

PNWSB. Murphy, H.J. Morrow, L.S. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. Jan 1984. v. 38. p. 163-167. (NAL Call No.: DNAL 79.9 N814).

0940

**Enhancement of herbicidal weed control in sweetpotatoes (*Ipomoea batatas*) with cultivation.**

Glaze, N.C. Harmon, S.A.; Phatak, S.C. Champaign, Ill., Weed Science Society of America. Weed science. May 1981. v. 29 (3). p. 275-281. 8 ref. (NAL Call No.: 79.8 W41).

0941

**Evaluating weed control and crop tolerance of soil- and foliar-active herbicides applied in the fall and spring to furrow-irrigated potatoes (Oregon).**

Stranger, C.E. OASPA. Corvallis : The Station. Special report - Agricultural Experiment Station, Oregon State University. June 1983. June 1983. (683). p. 77-84. (NAL Call No.: 100 OR3M).

0942

**An evaluation of adjuvants with herbicides and desiccants (for vine killing of potatoes).**

Selleck, G.W. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 57-62. ill. 4 ref. (NAL Call No.: 79.9 N814).

0943

**An evaluation of postemergence applied herbicides for control of annual weeds in furrow irrigated Russet Burbank potatoes.**

OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 73-76. (NAL Call No.: DNAL 100 OR3M).

0944

**An evaluation of R-40244 alone and in combination with EPTC for weed control in Katahdin potatoes.**

Murphy, H.J. Morrow, L.S. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 201-204. ill. (NAL Call No.: 79.9 N814).

0945

**Evaluation of several herbicides for preemergence and postemergence weed control in white potatoes.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 107-109. p. 107-109. (NAL Call No.: 79.9 N814).

0946

**Fertilization and weed control in potatoes (Research projects, Maine).**

Murphy, H.J. MAMRA. Morrow, L.S. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 13-15. (NAL Call No.: 100 M28M).

0947

**Glyphosate and other herbicides for reduced tillage.**

SWSPB. Sandberg, C.L. Retzinger, E.J.; Derting, C.W.; Wu, C.H. Champaign : The Society. Proceedings - Southern Weed Science Society. Paper presented at the 38th Annual Meeting of the Southern Weed Science Society, "Challenges in Food Production" Jan. 14/16, 1985, Houston, Texas. 1985. v. 38. p. 86-89. (NAL Call No.: DNAL 79.9 S08).

0948

**Glyphosate plus adjuvants (Herbicide, quackgrass, *Agropyron repens*, white potato).**

Young, R.S. PNWSB. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 250-254. Includes references. (NAL

Call No.: 79.9 N814).

#### 0949

**Herbicide evaluation for sweet potatoes (Ipomoea batatas, Alachor, Metribuzin, Puerto Rico).**

Liu, L.C. Acevedo-Borrero, E.; Ortiz, F.H. Rio Piedras, University of Puerto Rico, Agricultural Experiment Station. The Journal of agriculture of the University of Puerto Rico. Oct 1982. v. 66 (4). p. 254-260. 13 ref. (NAL Call No.: 8 P832J).

#### 0950

**Herbicide evaluations for sweet potatoes.**

Porter, W.C. Auburn, Ala., The Society. Proceedings - Southern Weed Science Society. 1980. 1980. (33d). p. 97-100. 2 ref. (NAL Call No.: 79.9 S08).

#### 0951

**Herbicides for dodder (Cuscuta campestris) control in potatoes.**

Selleck, G.W. Greider, R.S. Beltsville, Md. Proceedings of the ... annual meeting Northeastern Weed Science Society. 1979. v. 33. p. 191-195. ill. 8 ref. (NAL Call No.: 79.9 N814).

#### 0952

**Incorporated EPTC, metribuzin, napropamide and UBI-S734 in potatoes (Herbicides).**

Vitolo, D. Ilnicki, R.D.; Crane, S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 116-117. p. 116-117. (NAL Call No.: 79.9 N814).

#### 0953

**Incorporating herbicides on prebedded potato land for weed control in furrow irrigated potatoes.**

OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 77-80. (NAL Call No.: DNAL 100 OR3M).

#### 0954

**Long Island potato weed control results, 1980.** Sieczka, J.B. Creighton, J.F. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 118-123. (NAL Call No.: 79.9 N814).

#### 0955

**Mefluidide and acifluorfen interactions on ivyleaf morningglory (Ipomoea hederacea), velvetleaf (Abutilon theophrasti), and common cocklebur (Xanthium pensylvanicum) (Herbicides).**

Hook, B.J. Glenn, S. Champaign : Weed Science Society of America. Weed science. Mar 1984. v. 32 (2). p. 198-201. Includes references. (NAL Call No.: 79.8 W41).

#### 0956

**New bleaching herbicides for weed control in white potatoes.**

PNWSB. Kupatt, C.C. Ilnicki, R.D.; Vitolo, D.B. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 166-169. Includes 2 references. (NAL Call No.: DNAL 79.9 N814).

#### 0957

**New herbicide labeled for potatoes (Pendimethalin (PROWL)).**

Wilson, H.P. Norfolk, Va., The Service. The Vegetable growers news - Virginia Polytechnic Institute and State University, Cooperative Extension Service. Mar 1981. v. 35 (9). p. 1, 4. (NAL Call No.: 275.28 V52).

#### 0958

**Nitro free radical formation of diphenyl ether herbicides is not necessary for their toxic action.**

PCBPB. Ensminger, M.P. Hess, F.D.; Bahr, J.T. New York, N.Y. : Academic Press. Pesticide biochemistry and physiology. Apr 1985. v. 23 (2). p. 163-170. ill. Includes 26 references. (NAL Call No.: DNAL SB951.P49).

#### 0959

**Didaematophorus monodactylus: oviposition and development on sweetpotato and inundative releases on hedge bindweed (Convolvulus sepium, Biological control).**

Parrella, M.P. Kok, L.T. College Park, Md., Entomological Society of America. Environmental entomology. Dec 1978. v. 7 (6). p. 803-806. ill. 10 ref. (NAL Call No.: QL461.E532).

#### 0960

**Performance of acetochlor (an acetanilide herbicide) in corn and potatoes in the northeastern United States.**

Lynn, L.B. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 43-50.



## (WEEDS)

ill. 10 ref. (NAL Call No.: 79.9 N814).

### 0961

**Phytotoxicity and translocation of glyphosate in the potato (*Solanum tuberosum*) prior to tuber initiation (Control of volunteer potatoes).**

Smid, D. Hiller, L.K. Champaign, Ill., Weed Science Society of America. Weed science. Mar 1981. v. 29 (2). p. 218-223. ill. 24 ref. (NAL Call No.: 79.8 W41).

### 0962

**Pittsburgh paint and glass herbicide and growth regulator trial in furrow irrigated potatoes.**

OASPA. Stanger, C.E. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. Aug 1985. (748). p. 84-89. (NAL Call No.: DNAL 100 OR3M).

### 0963

**Potato vine killing.**

Haderlie, L.C. Halderson, J.L.; Corsini, D.L.; Bwelle, R.B. Moscow, Idaho : The Service. Current information series - Cooperative Extension Service, University of Idaho. Oct 1985. (759). 4 p. ill. (NAL Call No.: DNAL 275.29 ID13IDC).

### 0964

**Potato weed control (New York).**

Willoughby, Ohio : Meister Publishing Company. American vegetable grower and greenhouse grower. May 1982. v. 30 (5). p. 30. ill. (NAL Call No.: 80 C733).

### 0965

**Potatoes (Weed control programs, Wyoming).**

Humburg, N.E. Alley, H.P. Laramie, Wyo., The Station. Research journal - University of Wyoming, Agricultural Experiment Station. Jan 1982. Jan 1982. (172). p. 43-45. (NAL Call No.: S131.E22).

### 0966

**Preemergence and postemergence control of annual grasses in potatoes (*Digitaria sanguinalis*, *Echinochloa crusgalli*, herbicide, abstract only).**

Wilson, H.P. Hines, T.E. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. p. 193. p. 193. (NAL Call No.: 79.9 N814).

### 0967

**Preemergence weed control in white potatoes.**

PNWSB. Vitolo, D.B. Kupatt, C.C.; Ilnicki, R.D.; Beale, M.W. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. Jan 1984. v. 38. p. 155-157. Includes 2 references. (NAL Call No.: DNAL 79.9 N814).

### 0968

**Promising candidates (herbicides) for the control of yellow nutsedge (*Cyperus esculentus*) in potatoes.**

Selleck, G.W. Greider, R.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 250-254. ill. 5 ref. (NAL Call No.: 79.9 N814).

### 0969

**Quackgrass (*Agropyron repens*) control in potatoes (*Solanum tuberosum*) with sethoxydim.**

Ivany, J.A. Champaign : Weed Science Society of America. Weed science. Mar 1984. v. 32 (2). p. 194-197. Includes references. (NAL Call No.: 79.8 W41).

### 0970

**Quackgrass control in potatoes with postemergence herbicides.**

PNWSB. Warholc, D.T. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. Jan 1984. v. 38. p. 149-150. (NAL Call No.: DNAL 79.9 N814).

### 0971

**Research in weed science (1978, mostly field crops, potatoes).**

Alley, H.P. Humburg, N.E. (comps.). Laramie, The Station. Research journal. Wyoming. Agricultural Experiment Station. Jan 1979. Jan 1979. (137). 98 p. ill. (NAL Call No.: S131.E22).

### 0972

**Response of four potato cultivars to (the herbicide) metribuzin time and rate of application (Degree of injury and yields).**

Ivany, J.A. Ottawa, Agricultural Institute of Canada. Canadian journal of plant science. Apr 1979. v. 59 (2). p. 417-422. ill. 14 ref. (NAL Call No.: 450 C16).



0973

**Responses of Ipomoea spp. and Cassia spp. to preemergence applied herbicides (Weed control).**  
Crowley, R.H. Teem, D.H. Champaign, Ill., Weed Science Society of America. Weed science. Sept 1979. v. 27 (5). p. 531-535. ill. 10 ref. (NAL Call No.: 79.8 W41).

0974

**Risk management in getting and keeping a stand: diseases and chemicals.**

Minton, E.B. Memphis : National Cotton Council. Proceedings of the... Beltwide Cotton Production Conference. 1985. p. 9-10. (NAL Call No.: DNAL SB245.B42).

0975

**Water-nutrient-herbicide management of potatoes with trickle irrigation.**

Phene, C.J. Fouss, J.L. Drono, Me. American potato journal. Jan 1979. v. 56 (1). p. 51-59. ill. 4 ref. (NAL Call No.: 75.8 P842).

0976

**Weed control in potatoes.**

Dinkel, D.H. Fairbanks : The Services. Publication - University of Alaska. Cooperative Extension Service. Division of Statewide Services. Mar 1985. (A-00141, rev.). 5 p. (NAL Call No.: DNAL 275.29 AL13P).

0977

**Weed control in potatoes with various combinations and application schedules of EPTC, metribuzin, napropamide, and UBI-S734.**

Vitolo, D. Ilnicki, R.D.; Horng, L.C. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1982. v. 36. p. 139-142. (NAL Call No.: 79.9 N814).

0978

**Weed control of potatoes on Long Island, 1984.**

PNWSB. Sieczka, J.B. Creighton, J.F. Beltsville, Md. : The Society. Proceedings of the ... annual meeting - Northeastern Weed Science Society. 1985. v. 39. p. 176-180. (NAL Call No.: DNAL 79.9 N814).

0979

**Weed control with fluazifop and residues in cucurbit crops (Cucumis sp.) and sweet potatoes (Ipomoea batatas).**

WEESA6. Parker, N.Y. Monaco, T.J.; Leidy, R.B.; Sheets, T.J. Champaign, Ill. : Weed Science Society of America. Weed science. May 1985. v. 33 (3). p. 405-410. Includes 14 references. (NAL Call No.: DNAL 79.8 W41).

0980

**Weed, insect, and disease control guide: potatoes.**

Waters, Luther Jr. Boldt, Paul F.; Lofgren, John A.; Noetzel, David M.; Pflegler, F. L.; Bissonnette, Howard L. & Commercial vegetable. Document available from: University of Minnesota, Bulletin Room, 1420 Eckles Avenue, St. Paul, Minnesota 55108 1981. Lists herbicide, insecticide and fungicide suggestions for potatoes. 7 p. : ill. (NAL Call No.: Document available from source.). (NAL Call No.: Ext. Folder 594).

0981

**Which herbicides give you the fewest weeds, the most potatoes.**

Glaze, N.C. Harmon, S.A. Athens, Ga., The Station. Georgia agricultural research - Georgia, Agricultural Experiment Stations. 1981. v. 22 (3). p. 14-15. ill. (NAL Call No.: 100 G295).

0982

**Why SENCOREX for potato weed control.**

Suffolk, Bayer UK ltd. Agrochem Division. Agrochem courier. 1979. v.23 (1). p. 12. ill. (NAL Call No.: SB818.B2).

0983

**1982 results of annual grass control experiments on potatoes on Long Island (New York, weeds).**

Sieczka, J.B. PNWSB. Creighton, J.F. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. 1983. (37th). p. 189-196. Includes references. (NAL Call No.: 79.9 N814).

# PESTICIDES - GENERAL

0984

**Analysis of potatoes treated with dinoseb and chlorbromuron herbicides.**

Ragab, M.T.JAFCA. Everett, C.F.; DeMarco, A.C. Washington : American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1983. v. 31 (2). p. 449-451. Includes references. (NAL Call No.: 381 J8223).

0985

**Changes in chlorpropham (sprout inhibitor) residues in stored potatoes.**

Corsini, D. Stallknecht, G. Orono, Me. American potato journal. Jan 1979. v. 56 (1). p. 43-50. ill. 10 ref. (NAL Call No.: 75.8 P842).

0986

**Chemical recommendations in commercial potato production.**

Binning, L. K. Wyman, J. A.; Stevenson, W. R. Document available from: University of Wisconsin, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, Wisconsin 53706 1983. Discusses the special chemicals needed in potato production for potato seed piece treatment; weed, insect, and disease control; vine killing; and fertilizer. Includes correct amount of the proper chemical to be used at the right time. 6 p. : ill. (NAL Call No.: Document available from source.). (NAL Call No.: A2352).

0987

**Colorado potato beetle resistance to carbofuran and several other insecticides in Quebec (Leptinotarsa decemlineata).**

Harris, C.R. Svec, H.J. College Park, Md., Entomological Society of America. Journal of economic entomology. Aug 1981. v. 74 (4). p. 421-424. 16 ref. (NAL Call No.: 421 J822).

0988

**Comparative toxicity of pesticides to Edovum puttleri (Hymenoptera: Eulophidae), an egg parasitoid of the Colorado potato beetle (Coleoptera: Chrysomelidae).**

JEENAI. Obrycki, J.J. Tauber, M.J.; Tingey, W.M. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1986. v. 79 (4). p. 948-951. Includes references. (NAL Call No.: DNAL 421 J822).

0989

**Comparison of aircraft, ground-rig and center pivot irrigation systems for application of pesticides to potatoes.**

APQJA. Wyman, J.A. Walgenbach, J.F.; Stevenson, W.R.; Binning, L.K. Orono, Me. : Potato Association of America. American potato

journal. June 1986. v. 63 (6). p. 297-314. Includes 12 references. (NAL Call No.: DNAL 75.8 P842).

0990

**Comparison of gas and liquid chromatography for determination of anilazine in potatoes and tomatoes.**

Lawrence, J.F. Panopio, L.G. Arlington, Va., The Association. Journal of the Association of Official Analytical Chemists. Nov 1980. v. 63 (6). p. 1300-1303. ill. 9 ref. (NAL Call No.: 381 AS7).

0991

**Compatibility of Beauveria bassiana isolates with insecticide formulations used in Colorado potato beetle (Coleoptera:Chrysomelidae) control (Leptinotarsa decemlineata).**

Anderson, T.E.JEENAI. Roberts, D.W. College Park : Entomological Society of America. Journal of economic entomology. Dec 1983. v. 76 (6). p. 1437-1441. Includes references. (NAL Call No.: 421 J822).

0992

**Confirmation of organothiophosphorus insecticide residues in fruit and vegetables by oxidative derivatization (Celery, potatoes, lettuce, tomatoes, and apples).**

Singh, J. Cochrane, W.P. Arlington, Va. Journal Association of Official Analytical Chemists. July 1979. v. 62 (4). p. 751-756. ill. 12 ref. (NAL Call No.: 381 AS7).

0993

**Control of acid scab with seedpiece and systemic insecticide treatments, 1980 (Potato (Solanum tuberosum 'Katahdin'), acid scab; Streptomyces sp.).**

Manzer, F.E. Giggie, A.E.; Storch, R.H.; Sewell, G.H. (s.l.), The Society. Fungicide and nematicide tests; results - American Phytopathological Society. 1981. v. 36. p. 159. (NAL Call No.: 464.9 AM31R).

0994

**Daminozide protects potato seedlings from metribuzin phytotoxicity.**

HJHSA. Phatak, S.C. Jaworski, C.A.; Ghate, S.R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1985. v. 20 (4). p. 690-691. Includes 13 references. (NAL Call No.: DNAL SB1.H6).



0995

**Determination of free and hydrolyzable residues of 2,4-dichlorophenoxyacetic acid and 2,4-dichlorophenol in potatoes.**

Bristol, D.W. Cook, L.W.; Koterba, M.T.; Nelson, D.C. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Jan/Feb 1982. v. 30 (1). p. 137-144. ill. Includes 34 ref. (NAL Call No.: 381 J8223).

0996

**Differential response of six sweet potato (*Ipomoea batatas*) cultivars to metribuzin.**

WEESA6. Harrison, H.F. Jr. Jones, A.; Dukes, P.D. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1985. v. 33 (5). p. 730-733. Includes 12 references. (NAL Call No.: DNAL 79.8 W41).

0997

**Disappearance of acephate residues from beans, carrots, celery, lettuce, peppers, potatoes, strawberries, and tomatoes.**

Frank, R. Ritchey, G.; Braun, H.E.; McEwen, F.L. College Park, Md. : Entomological Society of America. Journal of economic entomology. Oct 1984. v. 77 (5). p. 1110-1115. Includes 12 references. (NAL Call No.: 421 J822).

0998

**Effect of application methods on movement and degradation of aldicarb residues in Maine potato fields.**

ETOC DK. Jones, R.L. Rourke, R.V.; Hansen, J.L. Elmsford : Pergamon Press. Environmental toxicology and chemistry. 1986. v. 5 (2). p. 167-173. Includes 5 references. (NAL Call No.: DNAL QH545.A1E58).

0999

**Effect of EL5219, oryzalin, and trifluralin in combination with metribuzin on yield, crop injury, and weed control in Katahdin potatoes. Maine--1979.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 248-249. ill. (NAL Call No.: 79.9 N814).

1000

**Effect of five grass herbicides on yield, crop injury, and weed control in white potatoes.**

Murphy, H.J. PNWSB. Morrow, L.S. Beltsville : The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. 1983. (37th). p. 205-207. (NAL Call No.: 79.9

N814).

1001

**The effect of metribuzin interaction with potato viruses X and Y on potato foliage, yield and grade (Herbicide, necrosis, injury).**

Corsini, D.L. APOJA. Callihan, R.H.; Garner, J.G. Orono : Potato Association of America. American potato journal. May 1983. v. 60 (5). p. 301-308. ill. Includes references. (NAL Call No.: 75.8 P842).

1002

**Effect of several combinations of alachlor, linuron, metribuzin, and CP55097 on yield, crop injury, and weed control in Katahdin potatoes.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 204-207. ill. (NAL Call No.: 79.9 N814).

1003

**Effect of several herbicides and combinations applied preemergence and preplant incorporated on yield, crop injury, and weed control of Katahdin potatoes. Maine--1979.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 246-247. ill. (NAL Call No.: 79.9 N814).

1004

**Effect of S734 (experimental herbicide) in combination with metribuzin and linuron applied preplant incorporated on yield, crop injury, and weed control in Katahdin potatoes.**

Murphy, H.J. Morrow, L.S. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 255-258. ill. (NAL Call No.: 79.9 N814).

1005

**Effect of two formulations of linuron and three formulations of metribuzin in combination with pendimethalin on yield, crop injury, and weed control in katahdin potatoes.**

Morrow, L.S. Murphy, H.J. Beltsville, Md., The Society. Proceedings - annual meeting of the Northeastern Weed Science Society. Northeastern Weed Science Society. 1980. v. 34. p. 235-237. ill. (NAL Call No.: 79.9 N814).



1006

**Effects of herbicidal carbamates on mitochondria and chloroplasts (in potato and mungbean, phytotoxicity).**  
Macherel, D.PCBPB. Ravanel, P.; Tissut, M. New York : Academic Press. Pesticide biochemistry and physiology. Dec 1982. v. 18 (3). p. 280-288. ill. Includes references. (NAL Call No.: SB951.P49).

1007

**Effects of simulated acidic rain on retention of pesticides on leaf surfaces.**  
PHYTAJ. Troiana, J. Butterfield, E.J. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Nov 1984. v. 74 (11). p. 1377-1380. Includes 17 references. (NAL Call No.: DNAL 464.8 P56).

1008

**Effects of temperature on pyrethroid toxicity to Colorado potato beetle (Coleoptera: Chrysomelidae).**  
JEENAI. Grafius, E. College Park, Md. : Entomological Society of America. Journal of economic entomology. June 1986. v. 79 (3). p. 588-591. Includes references. (NAL Call No.: DNAL 421 J822).

1009

**Establishment of residue analysis of propanil (Dichloropropionanilide), linuron and diphenamide in agricultural commodities.**  
JFPRDR. Ito, Y. Suzuki, H.; Ogawa, S.; Iwaida, M. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Apr 1985. v. 48 (4). p. 320-324. ill. Includes 6 references. (NAL Call No.: DNAL 44.8 J824).

1010

**Extraction of biologically incorporated (14C (carbon isotope)phorate residues from root crops (Pesticides, potatoes, carrots, radishes).**  
Sonobe, H. Carver, R.A.; Krause, R.T.; Kamps, L.R. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1982. v. 30 (4). p. 696-702. ill. 14 ref. (NAL Call No.: 381 J8223).

1011

**Extraction of pentachlorophenol and tetrachlorophenol residues from field-contaminated carrots and potatoes: comparison of several methods.**  
Bruns, G.W. Currie, R.A. Arlington, Va., The Association. Journal of the Association of Official Analytical Chemists. Association of Official Analytical Chemists. Jan 1980. v. 63 (1). p. 56-60. ill. (NAL Call No.: 381 AS7).

1012

**Gas chromatographic determination of maleic hydrazide residues in potato tubers (Sprout inhibitors).**  
King, R.R.JANCA. Arlington : The Association. Journal of the Association of Official Analytical Chemists. Nov 1983. v. 66 (6). p. 1327-1329. ill. Includes references. (NAL Call No.: 381 AS7).

1013

**Glyphosate and other herbicides for reduced tillage.**  
SWSPB. Sandberg, C.L. Retzinger, E.J.; Derting, C.W.; Wu, C.H. Champaign : The Society. Proceedings - Southern Weed Science Society. Paper presented at the 38th Annual Meeting of the Southern Weed Science Society, "Challenges in Food Production" Jan. 14/16, 1985, Houston, Texas. 1985. v. 38. p. 86-89. (NAL Call No.: DNAL 79.9 S08).

1014

**Granular nematicides for control of the yam nematode, *Scutellonema bradys*, and relevant residues in raw tubers.**  
Adesiyan, S.O. Badra, T. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1982. v. 14 (2). p. 213-216. ill. Includes 18 ref. (NAL Call No.: QL391.N4J62).

1015

**Herbicide screening trials on yams (*Dioscorea* sp.) (Weed control ametryn, nitrofen, paraquat, prometryn).**  
Liu, L.C. Green-Ortiz, J.J.; Acevedo, E. Rio Piedras, The Station. The Journal of agriculture of the University of Puerto Rico - Puerto Rico, Agricultural Experiment Station. Oct 1981. v. 65 (4). p. 353-360. ill. 11 ref. (NAL Call No.: 8 P832J).

1016

**High pressure liquid chromatographic determination of aldicarb, aldicarb sulfoxide, and aldicarb sulfone in potatoes.**

Cochrane, W.P. Lanouette, M. Arlington, Va., The Association. Journal of the Association of Official Analytical Chemists. May 1981. v. 64 (3). p. 724-728. ill. 18 ref. (NAL Call No.: 381 AS7).

1017

**How to increase the potato crop by spraying F.H. Chittenden and W.A. Orton. -.**

Chittenden, F. H. Washington, D.C. : U.S. Dept. of Agriculture, 1920. 24 p. : ill. -. Bibliography: p. 23-24. (NAL Call No.: DNAL Fiche S-70 no.868 1920).

1018

**Increasing the potato crop by spraying F.H. Chittenden and W.A. Orton. -.**

Chittenden, F. H. Washington, D.C. : U.S. Dept. of Agriculture, 1923. 22 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1349).

1019

**The influence of weather on the response of potato cultivars to metribuzin (Herbicide).**

Freeman, J.A. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Mar 1982. v. 107 (2). p. 189-194. Includes 11 ref. (NAL Call No.: 81 S012).

1020

**Insecticidal activity of 5-methoxy-6-(1-(4-methoxyphenyl)ethyl)-1,3-benzodioxole against the Colorado potato beetle (Coleoptera: Chrysomelidae) (Leptinotarsa decemlineata).**

Mellaert, H. VanJEENA. Loof, A. De; Jurd, L. College Park : Entomological Society of America. Journal of economic entomology. Oct 1983. v. 76 (5). p. 990-992. Includes references. (NAL Call No.: 421 J822).

1021

**Interaction of synthetic pyrethroid insecticide-foliar fungicide combinations for Colorado potato beetle control in tomato and Irish potato (Leptinotarsa decemlineata).**

Sherrod, D.W.GENSA. Linduska, J.J.; Hofmaster, R.N.; Francis, J.A. Athens : The Society. Journal of the Georgia Entomological Society. July 1983. v. 18 (3). p. 419-424. Includes references. (NAL Call No.: QL461.G4).

1022

**Long Island's agriculture, a brief description.**

Baker, B. Ithaca, N.Y. : The Station. A.E. Res. - New York State College of Agriculture and Life Sciences, Department of Agricultural Economics, Cornell University, Agricultural Experiment Station. July 1986. (86-17). 27 p. maps. Includes 36 references. (NAL Call No.: DNAL 281.9 C81A).

1023

**Long-term studies on the fate of 3,4-dichloroaniline-14C (carbon isotope) in a plant-soil-system under outdoor conditions (Conversion products, barley, potatoes).**

Viswanathan, R. Scheunert, I. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1978. v. B13 (3). p. 243-259. ill. 12 ref. (NAL Call No.: TD172.J61).

1024

**A mathematical model of the spatial and temporal dynamics of chlorothalonil residues on potato foliage (Solanum tuberosum, fungicides, redistribution and loss of residues).**

Bruhn, J.A.PHYTA. Fry, W.E. St. Paul : American Phytopathological Society. Phytopathology. Oct 1982. v. 72 (10). p. 1306-1312. 30 ref. (NAL Call No.: 464.8 P56).

1025

**Metribuzin absorption, translocation, and distribution in two potato (Solanum tuberosum) cultivars.**

WEESA6. Gawronski, S.W. Haderlie, L.C.; Callihan, R.H.; Dwelle, R.B. Champaign, Ill. : Weed Science Society of America. Weed science. Sept 1985. v. 33 (5). p. 629-634. ill. Includes 20 references. (NAL Call No.: DNAL 79.8 W41).

1026

**Persistence and metabolism of aldicarb in fresh potatoes.**

Cairns, T. Siegmund, E.G.; Savage, T.S. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Mar 1984. v. 32 (3). p. 274-281. ill. Includes references. (NAL Call No.: RA1270.P35A1).

1027

**Persistence and movement of chlorbromuron in potato soil.**

Ragab, M.T.H. Everett, C.F. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1979. v. 14 (2). p.



## (PESTICIDES - GENERAL)

181-195. ill. 15 ref. (NAL Call No.: TD172.J61).

Call No.: 79.9 S08).

1028

**Pesticidal residue alterations in potatoes during processing / by James Michael Solar.**

Solar, James Michael, 1943. 1970. Thesis (Ph.D.)--Louisiana State University and Agricultural and Mechanical College, 1970. Photocopy. Ann Arbor, Mich. : University Microfilms, 1971. vi, 75 leaves ; 21 cm. Bibliography: leaves 51-54. (NAL Call No.: DISS 71-3,444).

1029

**Pesticide use on fall potatoes in the United States, 1979 /by John R. Parks. -.**

Parks, John R. 1908. Washington, D.C. : Natural Resource Economics Division, Economic Research Service, U.S. Dept. of Agriculture, 1983. "January 1983.". iii, 33 p. : map ; 28 cm. -. Bibliography: p. 28. (NAL Call No.: DNAL aSB211.P8P3).

1030

**Pesticide use on potatoes in upstate New York.**

Fohner, G.R. White, G.B. Ithaca, N.Y., The Station. Extract: The purpose of the survey was to describe the pest control practices of potato growers in the two study areas and to provide a basis for a later in-depth field survey designed to estimate the cost of control practices. Except for information about acreage, approximate frequency of fungicide applications, and specifications of spray equipment, the information sought with the mail questionnaire was qualitative, indicating the names but not amounts of the pesticides that were used. A.E. Res. - Dept. of Agricultural Economics, Cornell University Agricultural Experiment Station. July 1981. July 1981. (81-7). 25 p. 2 ref. (NAL Call No.: 281.9 C81A).

1031

**Potential exposure of workers during seed potato treatment with captan.**

Stevens, E.R. Davis, J.E. New York, Springer. Bulletin of environmental contamination and toxicology. May 1981. v. 26 (5). p. 681-688. 5 ref. (NAL Call No.: RA1270.P35A1).

1032

**Quality of sweetpotatoes as affected by herbicides.**

Constantin, R.U. Porter, W.C.; Hernandez, T.P.; Hammett, H.L. Champaign : The Society. Proceedings - Southern Weed Science Society. 1982. 1982. (35th). p. 100-109. 2 ref. (NAL

1033

**Response of five major soil-borne potato pathogens to herbicides utilized in potato crop management systems (Abstract only).**

Leach, S.S. Gordon, C. St. Paul, Minn., American Phytopathological Society. Phytopathology. Aug 1981. v. 71 (8). p. 889. (NAL Call No.: 464.8 P56).

1034

**Response of potato (Solanum tuberosum) cultivars to metribuzin (Reduced yields, Canada).**

Friesen, G.H. Wall, D.A. Champaign, Ill. : Weed Science Society of America. Weed science. July 1984. v. 32 (4). p. 442-444. Includes 18 references. (NAL Call No.: 79.8 W41).

1035

**Simplified cleanup and liquid chromatographic determination of oxamyl residues in potato tubers.**

JANCA2. McGarvey, B.D. Chiba, M.; Olthof, T.H.A. Arlington, Va. : The Association. Journal of the Association of Official Analytical Chemists. July/Aug 1985. v. 68 (4). p. 753-756. Includes 9 references. (NAL Call No.: DNAL 381 AS7).

1036

**Simulated herbicide drift injury in potatoes.**

WSWPA. Leino, P.W. Haderlie, L.C. Reno : The Society. Proceedings - Western Society of Weed Science. Includes statistical data. 1985. v. 38. p. 93-99. (NAL Call No.: DNAL 79.9 W52).

1037

**Some effects of (soil fumigant) Dazomet on O-diphenoloxidase activity in homogenates of Solanum tuberosum (Potatoes).**

Vaughan, D. Ord, B.G. London, Academic Press. New phytologist. Sept 1979. v. 83 (2). p. 361-364. ill. 7 ref. (NAL Call No.: 450 N42).

1038

**A statistical model of fungicide deposition on potato foliage (Solanum tuberosum var. tuberosum, vertical distribution of chlorothalonil residues).**

Bruhn, J.A. PHYTA. Fry, W.E. St. Paul : American Phytopathological Society. Phytopathology. Oct 1982. v. 72 (10). p. 1301-1305. 23 ref. (NAL Call No.: 464.8 P56).



1039

**Survey of potatoes grown in New York State for aldicarb residues (Pesticides).**

Laski, R.R.BECTA. Vannelli, J.J. New York : Springer-Verlag. Bulletin of environmental contamination and toxicology. Jan 1984. v. 32 (1). p. 116-118. Includes references. (NAL Call No.: RA1270.P35A1).

1040

**Uptake of picloram by potato tuber tissue.**

Baur, J.R. Bovey, R.W. College Station, Tex. : The Station. PR - Texas Agricultural Experiment Station. June 1970. (2801/2828). p. 76-79. Includes references. (NAL Call No.: DNAL 100 T31P).

1041

**Weed control with fluazifop and residues in cucurbit crops (Cucumis sp.) and sweet potatoes (Ipomoea batatas).**

WEESA6. Parker, N.Y. Monaco, T.J.; Leidy, R.B.; Sheets, T.J. Champaign, Ill. : Weed Science Society of America. Weed science. May 1985. v. 33 (3). p. 405-410. Includes 14 references. (NAL Call No.: DNAL 79.8 W41).

1042

**1979 fall potato pesticide use in the North Central Region.**

Parks, J.R. Washington, D.C., The Service. Extract: An estimated 2.9 million pounds (active ingredient) of pesticides were used. Growers treated more land with insecticides than with any other pesticide category, 96 percent of the potato acreage. About 2.2 million acre-treatments were made with pesticides using 1.3 pounds (a.i.) per acre-treatment. Fungicides were used in 1.0 million, or 47 percent of all acre-treatments. Herbicides, vine killers, and growth regulators were less important. ERS staff report - United States Dept. of Agriculture, Economic Research Service. Aug 1982. Available from NTIS. Aug 1982. (AGES820805). 23 p. 10 ref. (NAL Call No.: 916762(AGE)).

1043

**1979 fall potato pesticide use in the Western Region.**

Parks, J.R. Washington, D.C., The Service. Abstract: An estimated 8.8 million pounds (active ingredient) of pesticides were used in fall potato production to control weeds, diseases, insects, and nematodes. Chemicals were also used to kill potato vines before harvest and to control the growth of sprouts on tubers in storage. More land area was treated with insecticides than any other category of pesticides. Of the 542,000 acres planted to potatoes in the Western region, 93 percent were

treated with an insecticide, and about 2 million acre-treatments were made with all pesticides, 4.3 pounds (a.i.) applied per acre-treatment. ERS staff report - United States Dept. of Agriculture, Economic Research Service. Jan 1982. Available from NTIS. Jan 1982. (AGES820108). 23 p. 6 ref. (NAL Call No.: 916762(AGE)).

1044

**1982 weed control guide for field crops.**

Barrett, Michael. Meggitt, William F. 1981. This publication has information on how to control weeds in corn, soybeans, small grains, field beans, sunflowers, potatoes, mint, sugarbeets, forages, & sorghum crops. Document available from: Michigan State University, Bulletin Office, P.O. Box 231, East Lansing, MI 48824. 35 p. (NAL Call No.: Not available at NAL.)(NAL Call No.: Ext. Bulletin E-434).

1045

**Mechanical properties and bruise susceptibility of potatoes.**

Wouters, A. Vervaeke, F.; Baerdemaeker, J. de.  
St. Joseph, Mich. : The Society. Paper -  
American Society of Agricultural Engineers  
(Microfiche collection). Paper presented at the  
1985 Summer Meeting of the American Society of  
Agricultural Engineers. Available for purchase  
from: The American Society of Agricultural  
Engineers, Order Dept., 2950 Niles Road,.  
Summer 1985. (fiche no. 85-6013). 20 p.  
Includes references. (NAL Call No.: DNAL FICHE  
290.9 AM32P).

# SOIL FERTILITY - FERTILIZERS

1046

**Effects of nitrogen fertilization and fungicide treatment on the monona potato cultivar.**

CASBA. Workman, M. Harrison, M.D.; Franc, G.D. Fort Collins : The Station. Bulletin - Colorado State University Experiment Station. Nov 1983. (587S). 21 p. Includes 6 references. (NAL Call No.: DNAL 100 C71S (1)).

1047

**Fertilizer injury to potatoes as affected by fertilizer source, rate and placement (Phytotoxicity, comparison of ammoniated and blended fertilizers, New York).**

Chu, C.C. Plate, H.; Matthews, D.L. Orono, Me. : Potato Association of America. American potato journal. Oct 1984. v. 61 (10). p. 591-597. Includes 8 references. (NAL Call No.: 75.8 P842).

1048

**Influence of nitrogen fertilization on potato discoloration in relation to chemical composition. 2. Phenols and ascorbic acid.**

Mondy, N.I. Koch, R.L. Washington, American Chemical Society. Journal of agricultural and food chemistry. Mar/Apr 1979. v. 27 (2). p. 418-420. ill. 22 ref. (NAL Call No.: 381 J8223).

1049

**Influence of nitrogen on population parameters of potato insects: abundance, development, and damage of the Colorado potato beetle, *Leptinotarsa decemlineata* (Coleoptera: Chrysomelidae).**

EVETEX. Jansson, R.K. Smilowitz, Z. College Park, Md. : Entomological Society of America. Environmental entomology. Aug 1985. v. 14 (4). p. 500-506. Includes references. (NAL Call No.: DNAL QL461.E532).

1050

**Integrated pest management for potatoes.**

UTSCB. Helms, T.W. Bushnell, J.L. Logan : The Station. Utah Science - Utah Agricultural Experiment Station. Spring 1985. v. 46 (1). p. 10-13. ill. (NAL Call No.: DNAL 100 UT1F).

1051

**Nitrate-nitrogen content of potatoes as affected by sludge-amended soil.**

APQJA. Mondy, N.I. Gosselin, B.; Naylor, L.M. Orono, Me. : Potato Association of America. American potato journal. July 1986. v. 63 (7). p. 379-382. Includes references. (NAL Call No.: DNAL 75.8 P842).

1052

**Observations on field performance of tissue cultured transplants in central Oregon.**

OASPA. Mosley, A.R. Perrigan, S.C. Corvallis, Or. : The Station. Special report - Oregon State University, Agricultural Experiment Station. July 1985. (747). p. 42-45. (NAL Call No.: DNAL 100 OR3M).

1053

**Potatoes: chemical recommendations (Insect, weed, disease control, fertilizers).**

Binning, L.K. Liegel, E.A. Madison, Wis., The Programs. Publication - Cooperative Extension Programs. University of Wisconsin - Extension. Wisconsin. University. Cooperative Extension Programs. Jan 1979. Jan 1979. (A2352). 5 p. ill. (NAL Call No.: S544.3.W6W53).

1054

**Uptake of PCBs by potatoes grown on sludge-amended soils.**

APQJA. Gosselin, B. Naylor, L.M.; Mondy, N.I. Orono, Me. : Potato Association of America. American potato journal. Oct 1986. v. 63 (10). p. 563-566. Includes references. (NAL Call No.: DNAL 75.8 P842).

1055

**Water-nutrient-herbicide management of potatoes with trickle irrigation.**

Phene, C.J. Fouss, J.L. Orono, Me. American potato journal. Jan 1979. v. 56 (1). p. 51-59. ill. 4 ref. (NAL Call No.: 75.8 P842).



# SOIL RESOURCES AND MANAGEMENT

1056

**Cover crop and residue management for wind erosion control on sandy soils during potato planting.**

Pumphrey, F.V. Hane, D.C. Corvallis, Ore., The Station. Circular of information. Oregon. Agricultural Experiment Station. Oct 1978. Oct 1978. (671). 5 p. (NAL Call No.: 100 OR3C).

# SOIL CULTIVATION

1057

**Comparison of aircraft, ground-rig and center pivot irrigation systems for application of pesticides to potatoes.**

AP00JA. Wyman, J.A. Walgenbach, J.F.; Stevenson, W.R.; Binning, L.K. Orono, Me. : Potato Association of America. American potato journal. June 1986. v. 63 (6). p. 297-314. Includes 12 references. (NAL Call No.: DNAL 75.8 P842).

# ANIMAL SCIENCE

1058

**The hormonal control of vitellogenin synthesis in the fat body of the female Colorado potato beetle (*Leptinotarsa decemlineata*).**

Dortland, J.F. New York, Academic Press.

General and comparative endocrinology. July 1979. v. 38 (3). p. 332-344. ill. Bibliography p. 343-344. (NAL Call No.: 444.8 G28).

1059

**Morphology of the tymbal organ of the potato leafhopper *Empoasca fabae* Harris (Homoptera: Cicadellidae).**

Shaw, K.C. Carlson, O.V. Lawrence, Kans., The Society. Journal. Kansas Entomological Society. Oct 1979. 52 (4). p. 701-711. ill. 14 ref. (NAL Call No.: 420 K13).



# ENTOMOLOGY RELATED

1060

**Alternative methods for control of Colorado Potato Beetle : final research report / by Tibor Jermy.**

Jermy, Tibor. (s.l. s.n.) 1979. "C/A number: 12-14-5001-330.". 16 leaves ; 28 cm. (NAL Call No.: QL596.C5J4).

1061

**Comparative toxicity of pesticides to *Edovum puttleri* (Hymenoptera: Eulophidae), an egg parasitoid of the Colorado potato beetle (Coleoptera: Chrysomelidae).**

JEENAI. Obrycki, J.J. Tauber, M.J.; Tingey, W.M. College Park, Md. : Entomological Society of America. Journal of economic entomology. Aug 1986. v. 79 (4). p. 948-951. Includes references. (NAL Call No.: DNAL 421 J822).

1062

**Control of potato insects by J.E. Dudley, Jr., B.J. Landis, and W.A. Shands . -.**

Dudley, J. E. Washington, D.C. : U.S. Dept. of Agriculture, 1952. ii, 52 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.2040).

1063

**Controlling potato insects by W.A. Shands and R.L. Landis . -.**

Shands, W. A. Washington, D.C. : U.S. Dept. of Agriculture, 1970. 15 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.2168 1970).

1064

**Descriptions of new Braconidae (*Orgilus*, *Chelonus*, *Apanteles*, *Bracon*, *Mirax*) (Hymenoptera) parasitic on the potato tuberworm (*Phthorimaea operculella*) and on related Lepidoptera from Central and South America.**

Marsh, P.M. Washington. Journal Washington Academy of Sciences. Mar 1979. v. 69 (1). p. 12-17. ill. (NAL Call No.: 500 W276J).

1065

**Effect of defoliation on yield of potatoes (Varieties, insect injuries).**

Cranshaw, W.S. Radcliffe, E.B. College Park, Md., Entomological Society of America. Journal of economic entomology. Feb 15, 1980. v. 73 (1). p. 131-134. ill. 18 ref. (NAL Call No.: 421 J822).

1066

**Feeding tests of *Nabis roseipennis* (Hemiptera: Nabidae) on potato leafhopper, *Empoasca fabae* (Homoptera: Cicadellidae), and their movement into spring-planted alfalfa (Biological control).**

Rensner, P.E. JKESA. Lamp, W.O.; Barney, R.J.; Armbrust, E.J. Lawrence : The Society. Journal of the Kansas Entomological Society. July 1983. v. 56 (3). p. 446-450. Includes references. (NAL Call No.: 420 K13).

1067

**The potato leafhopper and how to control it by J.E. Dudley, Jr. . -.**

Dudley, J. E. Washington, D.C. : U.S. Dept. of Agriculture, 1926. ii, 13 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1462).

1068

**The potato leafhopper and its control J.E. Dudley, Jr. . -.**

Dudley, J. E. Washington, D.C. : U.S. Dept. of Agriculture, 1921. 16 p. : ill. -. (NAL Call No.: DNAL Fiche S-70 no.1225).

1069

**Susceptibility of the Colorado potato beetle and the sugarbeet wireworm to *Steinernema feltiae* and *S. glaseri*.**

Toba, H.H. Lindegren, J.E.; Turner, J.E.; Vail, P.V. Ames, Iowa : Society of Nematologists. *Steinernema*, mortality of Colorado potato beetle (CPB) and sugarbeet wireworm (SBW) larvae exposed to various concentrations of *S. feltiae* and *S. glaseri* in cups of soil in laboratory, mortality of CPB and SBW larvae exposed to various concentrations of *S. feltiae* applied to soil in field cages, inundative soil applications of *S. feltiae* (though cost prohibitive at present) were effective in reducing caged CPB and SBW field populations. Journal of nematology. Oct 1983. v. 15 (4). p. 597-601. (NAL Call No.: QL391.N4J62).

1070

**The sweet potato flea beetle : its subterranean damage, ecology, and control (Coleoptera: Chrysomelidae) / by Michael Tysowsky.**

Tysowsky, Michael, 1942. 1971. Thesis (Ph.D.)--University of Maryland, 1976. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. vi, 79 leaves ; 21 cm. Bibliography: leaves 78-79. (NAL Call No.: DISS 72-10,091).

(ENTOMOLOGY RELATED)

1071

**The sweet-potato weevil and its control/ F.H. Chittenden. -.**

Chittenden, F. H. Washington, D.C. : U.S. Dept. of Agriculture, 1919. 24 p. : ill. -. Includes bibliographical references. (NAL Call No.: DNAL Fiche S-70 no.1020).

# ANIMAL ECOLOGY

1072

**Biology of the coccinellidae of northeastern Maine (Biological control of potato pest insects, research project, Maine).**

Storch, R.H.MAMRA. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. (278). p. 22. (NAL Call No.: 100 M28M).

1073

**Feeding tests of *Nabis roseipennis* (Hemiptera: Nabidae) on potato leafhopper, *Empoasca fabae* (Homoptera: Cicadellidae), and their movement into spring-planted alfalfa (Biological control).**

Rensner, P.E.JKESA. Lamp, W.O.; Barney, R.J.; Armbrust, E.J. Lawrence : The Society. Journal of the Kansas Entomological Society. July 1983. v. 56 (3). p. 446-450. Includes references. (NAL Call No.: 420 K13).

1074

**The sweet potato flea beetle : its subterranean damage, ecology, and control (Coleoptera: chrysomelidae) / by Michael Tysowsky.**

Tysowsky, Michael, 1942. 1971. Thesis (Ph.D.)--University of Maryland, 1976. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. vi, 79 leaves ; 21 cm. Bibliography: leaves 78-79. (NAL Call No.: DISS 72-10,091).



# ANIMAL STRUCTURE

1075

*Edovum puttleri*, n.g., n. sp. (Hymenoptera: Eulophidae), an egg parasite of the Colorado potato beetle (Chrysomelidae) (*Leptinotarsa undecimlineata*, biological control, Colombia, morphology, new taxa).

Grissell, E.E. Washington, D.C., The Society. Proceedings of the Entomological Society of Washington. Oct 1981. v. 83 (4). p. 790-796. ill. 2 ref. (NAL Call No.: 420 W27).

# ANIMAL NUTRITION

1076

**The effect of phosphorus fertilization on the chemical quality of Katahdin potatoes.**

Klein, L.B. Chandra, S.; Mondy, N.I. Orono, Me., Potato Association of America. American potato journal. June 1980. v. 57 (6). p. 259-266. ill. 25 ref. (NAL Call No.: 75.8 P842).

1077

**Potato process residue and bluegrass straw in steer finishing rations.**

Heinemann, W.W. Hanks, E.M. Pullman, Wash., The Center. Bulletin. Washington State University. College of Agriculture Research Center. Dec 1978. Dec 1978. (871). 6 p. ill. 11 ref. (NAL Call No.: 100 W27E).

1078

**Potato pulp (Distillation residues, cattle nutrition). ITALIAN.**

Piccioni, M. Bologna, Edagricole. Informatore zootecnico. Apr 30, 1978. v. 25 (8). p. 30-31. ill. (NAL Call No.: 49 IN3).

# ANIMAL PHYSIOLOGY AND BIOCHEMISTRY

1079

**The effect of phosphorus fertilization on the chemical quality of Katahdin potatoes.**

Klein, L.B. Chandra, S.; Mondy, N.I. Orono, Me., Potato Association of America. American potato journal. June 1980. v. 57 (6). p. 259-266. ill. 25 ref. (NAL Call No.: 75.8 P842).



# ANIMAL TAXONOMY AND GEOGRAPHY

1080

*Edovum puttleri*, n.g., n. sp. (Hymenoptera: Eulophidae), an egg parasite of the Colorado potato beetle (Chrysomelidae) (*Leptinotarsa undecimlineata*, biological control, Colombia, morphology, new taxa).

Grissell, E.E. Washington, D.C., The Society. Proceedings of the Entomological Society of Washington. Oct 1981. v. 83 (4). p. 790-796. ill. 2 ref. (NAL Call No.: 420 W27).

# VETERINARY PHARMACOLOGY, TOXICOLOGY AND IMMUNE THERAPEUTIC AGENTS

1081

Synthesis and analysis of various 3-furyl ketones from *Perilla frutescens* (Acute bovine pulmonary toxicity caused by ingestion of moldy sweet potatoes, condiments).

Garst, J.E. Wilson, B.J. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1984. v. 32 (6). p. 1083-1087. Includes 33 references. (NAL Call No.: 381 J8223).

# PEST OF ANIMALS - HELMINTHS

1082

**An Austrian mermithid nematode parasite offers biological control of the Colorado potato beetle, *Leptinotarsa decemlineata* (Say).**

PHSWA. Nickle, W.R. Kaiser, H. Washington, D.C. : The Society. Proceedings - Helminthological Society of Washington. July 1984. v. 51 (2). p. 340-341. ill. Includes references. (NAL Call No.: DNAL 436.9 H36).

1083

**Field tests of antidesiccants to extend the infection period of an entomogenous nematode, *Neoaplectana carpocapsae*, against the Colorado potato beetle.**

MacVean, C.M. JEENA. Brewer, J.W.; Capinera, J.L. College Park : Entomological Society of America. *Neoaplectana carpocapsae*, field tests of antidesiccants to extend infection period against Colorado potato beetle. Journal of economic entomology. Feb 15, 1982. v. 75 (1). p. 97-101. (NAL Call No.: 421 J822).

1084

**Susceptibility of the Colorado potato beetle and the sugarbeet wireworm to *Steinernema feltiae* and *S. glaseri*.**

Toba, H.H. Lindegren, J.E.; Turner, J.E.; Vail, P.V. Ames, Iowa : Society of Nematologists. *Steinernema*, mortality of Colorado potato beetle (CPB) and sugarbeet wireworm (SBW) larvae exposed to various concentrations of *S. feltiae* and *S. glaseri* in cups of soil in laboratory, mortality of CPB and SBW larvae exposed to various concentrations of *S. feltiae* applied to soil in field cages, inundative soil applications of *S. feltiae* (though cost prohibitive at present) were effective in reducing caged CPB and SBW field populations. Journal of nematology. Oct 1983. v. 15 (4). p. 597-601. (NAL Call No.: QL391.N4J62).



# PROTECTION OF ANIMAL PRODUCTS - GENERAL AND MISC.

1085

Some examples of scanning electron microscopy in food science (Potato, *Phytophthora infestans*, cherry crackling, ethyl oleate, meat, tensile stress).

Carroll, R.J. Jones, S.B. AMF OHare, Ill., Scanning Electron Microscopy, Inc. Scanning electron microscopy. 1979. 1979. (3). p. 253-260. ill. 11 ref. (NAL Call No.: QH212.S3S3).

# FARM EQUIPMENT

1086

**Chain speed adjustment to obtain low tuber damage at harvest.**

Thornton, R.E. Hyde, G.M.; Thornton, R.K.; Hammond, M.W. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-1141). 11 p. Includes references. (NAL Call No.: DNAL FICHE 290.9 AM32P).

1087

**Field comparison of the effectiveness of air assisted rotary atomizers vs. conventional hydraulic nozzles for disease control and vine kill in potatoes.**

Ledebuhr, R.L. Van Ee, G.R.; Resmer, R.; Forbush, T.; Potter, H.S. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-1076). 15 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

1088

**Modification of a Hassia Potato Harvester to reduce tuber damage.**

Mains, W.H. Lynch, D.R. Orono : Potato Association of America. American potato journal. Feb 1984. v. 61 (2). p. 107-108. ill. (NAL Call No.: 75.8 P842).

1089

**Potato harvester performance with automatic chain-load control.**

Hyde, G.M. TAAEA. Thornton, R.E.; Woodruff, D.W. St. Joseph : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Jan/Feb 1983. v. 26 (1). p. 19-22. ill. Includes references. (NAL Call No.: 290.9 AM32T).

1090

**Reducing potato harvesting bruise (Mainly by adjusting harvester equipment).**

Hyde, G.M. WUEXA. Thornton, R.E.; Hermanson, R.E. Pullman : The Service. Extension Bulletin - Washington State University, Cooperative Extension Service. Jan 1983. Jan 1983. (1080). 5 p. ill. Includes references. (NAL Call No.: 275.29 W27P).

1091

**Steam-cleaning thermocouple psychrometry equipment (contaminated by volatile substances from apple and potato).**

Murase, H. St. Joseph, Mich., American Society of Agricultural Engineers. Agricultural engineering. Sept 1979. v. 60 (9). p. 23. ill. (NAL Call No.: 58.8 AG83).

1092

**Potato harvesting machines: How good are they? (Harvesting losses). DUTCH.**

Andringa, J.T. Wageningen, Stichting Mechanisatie-Centrum. Landbouwmechanisatie. Aug 1978. v. 29 (8). p. 855-858. ill. (NAL Call No.: 58.8 L2352).

# NATURAL RESOURCES

1093

**Beryllium (environmental pollutant) effects on potatoes and oats in acid soil (Toxicity).**

Bohn, H. Seekamp, G. Dordrecht, Holland, D.  
Reidel Pub. Co. Water, air, and soil pollution.  
Apr 1979. v. 11 (3). p. 319-322. ill. 6 ref.  
(NAL Call No.: TD172.W36).

1094

**Persistence and movement of chlorbromuron in potato soil.**

Ragab, M.T.H. Everett, C.F. New York, Marcel Dekker. Journal of environmental science and health. Part B: Pesticides, food contaminants, and agricultural wastes. 1979. v. 14 (2). p. 181-195. ill. 15 ref. (NAL Call No.: TD172.J61).



# BIOMASS ENERGY SOURCES

1095

**Potato diseases / by Avery E. Rich.**

Rich, Avery E. New York Academic Press 1983.

Includes index. xiv, 238 p. : ill. ; 24 cm.

Bibliography: p. 199-225. (NAL Call No.:

SB608.P8R43).

# WATER RESOURCES AND MANAGEMENT

1096

**Water-nutrient-herbicide management of potatoes  
with trickle irrigation.**

Phene, C.J. Fouss, J.L. Orono, Me. American  
potato journal. Jan 1979. v. 56 (1). p. 51-59.  
ill. 4 ref. (NAL Call No.: 75.8 P842).

# DRAINAGE AND IRRIGATION

1097

**Control of Meloidogyne chitwoodi in commercially grown Russet Burbank potatoes.**  
PLDRA. Pinkerton, J.N. Santo, G.S.; Ponti, R.P.; Wilson, J.I. St. Paul, Minn. : American Phytopathological Society. Plant disease. Sept 1986. v. 70 (9). p. 860-863. Includes 16 references. (NAL Call No.: DNAL 1.9 P69P).

1098

**Integrated pest management for potatoes.**  
UTSCB. Helms, T.W. Bushnell, J.L. Logan : The Station. Utah Science - Utah Agricultural Experiment Station. Spring 1985. v. 46 (1). p. 10-13. ill. (NAL Call No.: DNAL 100 UT1F).



# FOOD SCIENCE, FIELD CROP

1099

## **Costs of producing potatoes: 1980 and 1981 with projections for 1982.**

Zepp, G.A. Washington, D.C. : The Department. Extract: Costs of production for fresh potatoes will increase only slightly for 1982; substantially reduced seed costs should offset other operating cost increases. Processing potato costs should range from almost unchanged in the Red River Valley to a 4.2 -percent increase in western Idaho. Central Wisconsin showed the lowest total cost for producing fresh potatoes, while Maine had a cost advantage over other producing areas for supplying fresh potatoes to northeastern U.S. markets. Eastern Idaho showed the highest cost per hundredweight for fresh potatoes. Washington's Columbia River Basin had the lowest cost for growing, harvesting, and storing processing potatoes, while the Minnesota/North Dakota Red River Valley had the highest. This study estimates costs for producing, storing, and packing potatoes in major U.S. production regions during 1980 and 1981 with projections for 1982. Agricultural economic report - United States Dept. of Agriculture. Available from NTIS, order no. PB83-106609.~ Includes statistical data. Oct 1982. (491). 97 p. Includes 7 references. (NAL Call No.: DNAL AGE A281.9 AG8A).

1100

## **Economic impact of introducing rotations on Long Island potato farms.**

Lazarus, S.S. White, G.B. Amherst, Mass. : Northeastern Agricultural and Resource Economics Association. Extract: Potatoes have been grown continuously on many Long Island (New York) fields. Environmental concerns have raised questions about the continued usage of this practice. A farm-level linear programming model was used to investigate the economic impacts of crop rotations which result in reduced potato acreage. Crop rotations (an Integrated Pest Management tactic) reduced total pesticide use, but also reduced returns above variable costs as successively stringent rotation requirements were forced into the solution. The crop rotations which caused the least effect on income were identified. Northeastern journal of agricultural and resource economics. Includes statistical data. Oct 1984. v. 13 (2). p. 221-228. Includes 13 references. (NAL Call No.: DNAL AGE HD1773.A2N6).

# FOOD PROCESSING

1101

**Economic feasibility of radiation insect  
disinfestation of foods.**

Urbain, W.M. Honolulu : Hawaii Institute of  
Tropical Agric. & Human Resources, Univ. of  
Hawaii, Manoa, 1985. Radiation disinfestation  
of food and agricultural products : proceedings  
of an international conference, Honolulu,  
Hawaii, November 14-18, 1983 / edited by James  
H. Moy. Includes case study of potato  
processing facility in Japan. p. 333-341. ill.  
Includes 3 references. (NAL Call No.: DNAL  
TP371.8.R284).

# FOOD PROCESSING, FIELD CROP

1102

**The effects of handling on chip color and sugar content of potato tubers.**

APQJA. Sieczka, J.B. Maatta, C. Drono, Me. :  
Potato Association of America. American potato  
journal. July 1986. v. 63 (7). p. 363-372.  
Includes references. (NAL Call No.: DNAL 75.8  
P842).



1103

**Efficiency of selected strains of fungi in reducing chemical oxygen demand in wastewater from steam-peeled potatoes.**

JFPPD. Karim, M.I.A. Sistrunk, W.A. Westport, Conn. : Food & Nutrition Press. Journal of food processing and preservation. Apr 1985. v. 8 (3/4). p. 211-218. Includes references. (NAL Call No.: DNAL TX599.J6).

1104

**Maine's anti-bruise campaign (Potato damage control, processing methods, research projects).**

Stiles, D.B.MAMRA. Hallee, N.D.; Chapman, K.S. Orono : The Station. Miscellaneous report - Life Sciences and Agriculture Experiment Station, University of Maine. 1982. 1982. (278). p. 91-94. (NAL Call No.: 100 M28M).

1105

**A telemetry device for impact detection.**

Halderson, J.L. Peterson, C.L.; Daigh, R.C. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Agricultural electronics--1983 and beyond : proceedings of the National Conference on Agricultural Electronics Applications, December 11-13, 1983, Hyatt Regency Illinois Center, Chicago, Illinois. p. 773-780. ill. Includes 19 references. (NAL Call No.: DNAL TK7882.A37N38 1983).

1106

**Ultrasonic sensors applied to potato piling.**

Thornley, W.R. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Agricultural electronics--1983 and beyond : proceedings of the National Conference on Agricultural Electronics Applications, December 11-13, 1983, Hyatt Regency Illinois Center, Chicago, Illinois. p. 754-757. (NAL Call No.: DNAL TK7882.A37N38 1983).

# FOOD STORAGE

1107

**Economic feasibility of radiation insect disinfestation of foods.**

Urbain, W.M. Honolulu : Hawaii Institute of Tropical Agric. & Human Resources, Univ. of Hawaii, Manoa, 1985. Radiation disinfestation of food and agricultural products : proceedings of an international conference, Honolulu, Hawaii, November 14-18, 1983 / edited by James H. Moy. Includes case study of potato processing facility in Japan. p. 333-341. ill. Includes 3 references. (NAL Call No.: DNAL TP371.8.R284).

1108

**Handling, transportation, and storage of fruits and vegetables, volume 1, vegetables and melons / by A. Lloyd Ryall and Werner J. Lipton.**

Ryall, A. Lloyd. Lipton, Werner J. Westport, Conn. AVI Pub. Co. 1979. Abstract: Biological and physical practices in marketing vegetables and fruits have benefited from research with horticultural crops on the preparation, packaging, distribution and storage of fresh produce. Study of post-harvest physiology and control of crop diseases has resulted in increased production of fresh vegetables, including potatoes and melons. Marketing of commercial crop includes harvesting, sorting, grading, packaging, transport, storage and protection of the vegetables during wholesale-retail distribution. Suitable environments for the vegetables at each phase of marketing are described to provide information for workers in the vegetable industry. 587 p. : ill. Includes bibliographies and indexes. (NAL Call No.: TX601.R9 1979 v.1 F&N B-2516).

# FOOD STORAGE, HORTICULTURAL CROP

1109

**Biochemical changes in storage of potato treated with cetyl alcohol and sodium fluoride.**  
Panda, J.M. Mohanty, C.R. Alexandria, Va., American Society for Horticultural Science. HortScience. Aug 1981. v. 16 (4). p. 540-541. 8 ref. (NAL Call No.: SB1.H6).

1110

**Control of temperature in large storages for process potatoes in the northwest.**  
Gellert, N.H. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-4034). 14 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

1111

**The effect of storage and wounding on ethylene production by sweet potato.**  
HJHSA. Randle, W.M. Woodson, W.R. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1986. v. 21 (4). p. 1018-1019. ill. Includes references. (NAL Call No.: DNAL SB1.H6).

1112

**Factors in the inception and development of Fusarium rot in stored potatoes /by Freeman Weiss, J.I. Lauritzen, and Philip Brierley.**  
Weiss, Freeman 1892. Lauritzen, John I. 1884-; Brierley, Philip. Washington : U.S. Dept. of Agriculture, 1928. Cover title. 36 p., 6 p. of plates : ill. ; 23 cm. Literature cited: p. 34-35. (NAL Call No.: DNAL 1 Ag84Te no.62).

1113

**Influence of post harvest mechanical and chemical treatment on market quality of potatoes out of extended storage.**  
Cargill, B.F. Ledebuhr, R.L.; Price, K.C.; Potter, H.S. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1983. Paper presented at the 1983 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1983. (fiche no. 83-1575). 1 microfiche : ill. Includes references. (NAL Call No.: FICHE S-72).

1114

**Mechanism of hardcore formation in chill-injured sweetpotato (Ipomoea batatas) roots.**  
Buescher, R.W. JFBID. Balmoori, M.R. Westport : Food and Nutrition Press. Journal of food biochemistry. Mar 1982. v. 6 (1). p. 1-11. 3 p. ref. (NAL Call No.: TX545.J6).

1115

**Mitochondrial changes during storage of untreated or CIPC (chlorpropham)-treated potatoes.**  
Ravanel, P. Tissut, M. New York, N.Y. : Academic Press. Pesticide biochemistry and physiology. Aug 1984. v. 22 (1). p. 1-7. ill. Includes references. (NAL Call No.: SB951.P49).

1116

**Potatoes: Storage and quality maintenance in the Pacific Northwest.**  
Iritani, W.M. Sparks, W.C. Corvallis, Or. : The Service. PNW - Pacific Northwest Cooperative Extension Publication - Oregon State University, Extension Service. Sept 1985. (257). 11 p. ill. (NAL Call No.: DNAL 275.29 W27PN).

1117

**Reducing the potential for bacterial soft rot in potato tubers by chemical treatments and drying.**  
APOJA. Bartz, J.A. Kelman, A. Orono, Me. : Potato Association of America. American potato journal. Sept 1986. v. 63 (9). p. 481-493. Includes references. (NAL Call No.: DNAL 75.8 P842).



# FOOD CONTAMINATION AND TOXICOLOGY

1118

**Antinutrients and natural toxicants in foods / edited by Robert L. Ory.**

Ory, Robert L.; 1925. Westport, Conn. Food & Nutrition Press c1981. Abstract: Proceedings of a 1979 symposium, presented for food scientists and nutritionists, cover 19 research themes in the area of food antinutrients and toxicants. Antinutrients include various materials present in plants that can bind essential minerals, allergens, flatus oligosaccharides, or vitamin antagonists. Toxicants include naturally-occurring toxins, and those that may occur from microbial activity during storage, processing, or cooking. Research themes include: sweet potato mold; the controversy over nitrites and nitrosamines; tremorgenic mycotoxins; cottonseed protein antinutrients; cereal grain hemagglutinins; potato and legume proteinase inhibitors; fluoride intake and retention; dietary fiber effects on zinc bioavailability; and vitamin B6 antagonists in natural products. (wz). Papers presented in a Symposium on Antinutrients and Natural Toxicants in Foods, sponsored by the A.C.S. Division of Agricultural and Food Chemistry, held at the American Chemical Society/Chemical Society of Japan International Congress in Honolulu, Hawaii, April 1-6, 1979. 378 p. : ill. ; 24 cm. Includes bibliographies and index. (NAL Call No.: TX511.A5 B-3135).

1119

**Elements in major raw agricultural crops in the United States. 1. Cadmium and lead in lettuce, peanuts, potatoes, soybeans, sweet corn, and wheat.**

Wolnik, K.A.JAFCA. Fricke, F.L.; Capar, S.G.; Braude, G.L.; Meyer, M.W. Washington : American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1983. v. 31 (6). p. 1240-1244. maps. Includes references. (NAL Call No.: 381 J8223).

1120

**Naturally occurring toxic alkaloids in foods (Potato, Solanum tuberosum).**

Jadhav, S.U. Sharma, R.P.; Salunkhe, D.K. Boca Raton, Fla., CRC Press. CRC critical reviews in toxicology. 1981. Literature review. v. 9 (1). p. 21-104. ill. Includes 497 ref. (NAL Call No.: RA1211.A1C7).

1121

**Naturally occurring toxicants and food additives: Our perception and management of risks.**

Hall, Richard L. Philadelphia, Franklin Institute Press. Abstract: In the list of food hazard sources, natural toxicants and food additives rank low on the list, but they are real risks that need to be managed and can serve as a measure for other food-related risks. Animal experimentation and human

experience provide information by which toxicological risks and safety are judged. Safety evaluation considers the dose-response relationship, defense mechanisms, level of confidence in results, and quantification to determine the acceptable daily intake or margin of safety. The chief issue of debate is whether the dose-response curve is linear or curved which influences what is considered the virtually safe dose. Natural toxicants can be approached from origin, pharmacological effect, particular interest, and manageability or reduction. Solanine, islanditoxin, cyanogenetic glycosides, carototoxin, coniine, saxitoxin, tutin, and hyenanchin are toxins that are found in such common foods as potatoes, rice, carrots, and honey. Nutrition and cancer. Winter 1979. v. 1 (2). p. 27-36. ill. (NAL Call No.: RC262.C5N8).

1122

**Nutritional and toxicological aspects of food safety /edited by Mendel Friedman. -.**

Friedman, Mendel. New York : Plenum, c1984. Abstract: A collection of 26 authoritative papers, including a number from a 1982 symposium on the subject topic, emphasizes various toxicological and nutritional consequences of food components and food contaminants with respect to food safety. Topics range from general overviews (e.g.: diet-immunity interactions; megavitamin therapy safety; genetic and carcinogenic effects of plant flavonoids; chemical, metabolic, and genetic toxicity aspects of mutagens produced in cooked foods; the chemistry, toxicology, and nutritional consequences of protein-alkali reactions); to specific research areas (e.g.: metabolic and toxicity aspects of saccharin and aflatoxin B1; the modification of organomercurial toxicity by Se compounds regarding membrane permeability and DNA replication in carcinoma cells; nutritional studies of the potato tuber carboxypeptidase inhibitor). Data summaries and illustrations are included throughout the text and literature references are appended to each paper. (wz). "Based on the Symposium on Food Safety: Metabolism and Nutrition, sponsored by the Pacific Conference on Chemistry and Spectroscopy, held October 27-29, 1982, in San Francisco, California"--T.p. verso. xii, 584 p. : ill. ; 26 cm. -. Includes bibliographical references and index. (NAL Call No.: DNAL FNC RC622.N87 F&N B-4124).

1123

**Survey of potatoes grown in New York State for aldicarb residues (Pesticides).**

Laski, R.R.BECTA. Vannelli, J.J. New York : Springer-Verlag. Bulletin of environmental contamination and toxicology. Jan 1984. v. 32 (1). p. 116-118. Includes references. (NAL Call No.: RA1270.P35A1).

1124

Synthesis and analysis of various 3-furyl ketones from *Perilla frutescens* (Acute bovine pulmonary toxicity caused by ingestion of moldy sweet potatoes, condiments).

Garst, J.E. Wilson, B.J. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1984. v. 32 (6). p. 1083-1087. Includes 33 references. (NAL Call No.: 381 J8223).

# FOOD CONTAMINATION, LIVESTOCK

1125

**Potato-like odor of retail beef cuts associated with species of *Pseudomonas*.**

JFPRDR. Daise, R.L. Zottola, E.A.; Epley, R.J. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Apr 1986. v. 49 (4). p. 272-273. Includes references. (NAL Call No.: DNAL 44.8 J824).

1126

**Potato starch and flour in frankfurters: Effect on chemical and sensory properties, and total plate counts.**

Bushway, A.A. Belyea, P.R.; True, R.H.; Work, T.M.; Russell, D.O.; McGann, D.F. Chicago, Institute of Food Technologists. Journal of food science. Mar/Apr 1982. v. 47 (2). p. 402-404, 408. Includes 19 ref. (NAL Call No.: 389.8 F7322).



# FOOD CONTAMINATION, FIELD CROP

1127

**The effects of handling on chip color and sugar content of potato tubers.**

APOJA. Sieczka, J.B. Maatta, C. Orono, Me. : Potato Association of America. American potato journal. July 1986. v. 63 (7). p. 363-372. Includes references. (NAL Call No.: DNAL 75.8 P842).

1128

**Establishment of residue analysis of propanil (Dichloropropionanilide), linuron and diphenamide in agricultural commodities.**

JFPRDR. Ito, Y. Suzuki, H.; Ogawa, S.; Iwaida, M. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Apr 1985. v. 48 (4). p. 320-324. ill. Includes 6 references. (NAL Call No.: DNAL 44.8 J824).

1129

**Mass spectral identification of a metabolite of chlorophospham in potatoes.**

JAFCAU. Heikes, D.L. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Mar/April 1985. v. 33 (2). p. 246-249. Includes references. (NAL Call No.: DNAL 381 J8223).

1130

**Nitrate-nitrogen content of potatoes as affected by sludge-amended soil.**

APOJA. Mondy, N.I. Gosselin, B.; Naylor, L.M. Orono, Me. : Potato Association of America. American potato journal. July 1986. v. 63 (7). p. 379-382. Includes references. (NAL Call No.: DNAL 75.8 P842).

# FOOD CONTAMINATION, HORTICULTURAL CROP

1131

**Alpha-chaconine and alpha-solanine content of potato peels and potato peel products (Naturally occurring toxicants).**

Bushway, R.J. JFDSA. Bureau, J.L.; McGann, D.F. Chicago : Institute of Food Technologists. Journal of food science. Jan/Feb 1983. v. 48 (1). p. 84-86. Includes references. (NAL Call No.: 389.8 F7322).

1132

**Biochemistry of furano-terpenes produced in mold-damaged sweetpotatoes.**

Uritani, I. Oba, K.; Takeuchi, A.; Sato, K.; Inoue, H.; Ito, R.; Ito, I. Westport, Conn., Food & Nutrition Press. Antinutrients and natural toxicants in foods. 1979 (pub. 1981). Presented in a symposium sponsored by the A.C.S. Division of Agricultural and Food Chemistry, held at the American Chemical Society/Chemical Society of Japan International Congress in Honolulu, Hawaii, April 1-6, 1979. 1979 (pub. 1981). p. 1-16. ill. Includes 46 ref. (NAL Call No.: TX511.A5).

1133

**Bruising, freezing, and chemical injury of potatoes in transit /by R.C. Wright.**

Wright, R. C. 1885. Washington : U.S. Dept. of Agriculture, 1939. Caption title. 22 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84Te no.668).

1134

**Comparison of gas and liquid chromatography for determination of anilazine in potatoes and tomatoes.**

Lawrence, J.F. Panopio, L.G. Arlington, Va., The Association. Journal of the Association of Official Analytical Chemists. Nov 1980. v. 63 (6). p. 1300-1303. ill. 9 ref. (NAL Call No.: 381 AS7).

1135

**Computer keeps potatoes breathing easy.**

AGREA. Cooke-Stinson, L. Washington, D.C. : The Administration. Agricultural research - U.S. Department of Agriculture, Agricultural Research Service. Nov/Dec 1986. v. 34 (10). p. 12-13. ill. (NAL Call No.: DNAL 1.98 AG84).

1136

**Determination of free and hydrolyzable residues of 2,4-dichlorophenoxyacetic acid and 2,4-dichlorophenol in potatoes.**

Bristol, D.W. Cook, L.W.; Koterba, M.T.; Nelson, D.C. Washington, D.C., American Chemical Society. Journal of agricultural and

food chemistry. Jan/Feb 1982. v. 30 (1). p. 137-144. ill. Includes 34 ref. (NAL Call No.: 381 J8223).

1137

**The effect of Ridomil on the flavor of riced baked potatoes (Fungicide, toxicity).**

True, R.H. Work, T.M.; Manzer, F.E. Drano, Me., Potato Association of America. American potato journal. Feb 1982. v. 59 (2). p. 65-67. Includes 6 ref. (NAL Call No.: 75.8 P842).

1138

**Effects of the clara cell toxin, 4-ipomeanol, on pulmonary function in rats (Naturally occurring chemical derived from moldy sweet potatoes).**

Sabo, J.P. JARPD. Kimmel, E.C.; Diamond, L. Bethesda : American Physiological Society. Journal of applied physiology : respiratory, environmental and exercise physiology. Feb 1983. v. 54 (2). p. 337-344. Includes references. (NAL Call No.: 447.8 J825).

1139

**Electron capture gas chromatographic determination of thiabendazole in yams.**

JANCA2. Bardalaye, P. Wheeler, W.B. Arlington, Va. : The Association. Journal of the Association of Official Analytical Chemists. Jan/Feb 1986. v. 69 (1). p. 114-116. Includes 13 references. (NAL Call No.: DNAL 381 AS7).

1140

**Establishment of residue analysis of propanil (Dichloropropionanilide), linuron and diphenamide in agricultural commodities.**

JFPRDR. Ito, Y. Suzuki, H.; Ogawa, S.; Iwaida, M. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Apr 1985. v. 48 (4). p. 320-324. ill. Includes 6 references. (NAL Call No.: DNAL 44.8 J824).

1141

**Gas chromatographic determination of maleic hydrazide residues in potato tubers (Sprout inhibitors).**

King, R.R. JANCA. Arlington : The Association. Journal of the Association of Official Analytical Chemists. Nov 1983. v. 66 (6). p. 1327-1329. ill. Includes references. (NAL Call No.: 381 AS7).

1142

**Granular nematicides for control of the yam nematode, *Scutellonema bradys*, and relevant residues in raw tubers.**

Adesiyan, S.O. Badra, T. Ames, Iowa, Society of Nematologists. Journal of nematology. Apr 1982. v. 14 (2). p. 213-216. ill. Includes 18 ref. (NAL Call No.: QL391.N4J62).

1143

**Mycotoxins and toxic stress metabolites of fungus-infected sweet potatoes (*Ipomea batatas*).**

Wilson, B.J. New York : Academic Press, 1982. Nutritional toxicology / edited by John N. Hathcock. Literature review. v. 1 p. 239-302. ill. Includes references. (NAL Call No.: RC622.N886).

1144

**Naturally occurring toxicants in the potato (Glycoalkaloids on human and animal metabolisms).**

Filadelfi, M.A. Concord: Herb Society of America. The Herbarist. 1982. 1982. (48). p. 21-23. Includes references. (NAL Call No.: 80 H41).

1145

**Persistence and metabolism of aldicarb in fresh potatoes.**

Cairns, T. Siegmund, E.G.; Savage, T.S. New York, N.Y. : Springer-Verlag. Bulletin of environmental contamination and toxicology. Mar 1984. v. 32 (3). p. 274-281. ill. Includes references. (NAL Call No.: RA1270.P35A1).

1146

**Reducing the potential for bacterial soft rot in potato tubers by chemical treatments and drying.**

APQJA. Bartz, J.A. Kelman, A. Orono, Me. : Potato Association of America. American potato journal. Sept 1986. v. 63 (9). p. 481-493. Includes references. (NAL Call No.: DNAL 75.8 P842).

1147

**Residues and dissipation of 2,4-D (2,4-dichlorophenoxyacetic acid) and 2,4-DCP (2,4-dichlorophenol) in potato tubers.**

Bristol, D.W. Nelson, D.C.; Cook, L.W. Orono, Me., Potato Association of America. American potato journal. Mar 1981. v. 58 (3). p. 143-151. 4 ref. (NAL Call No.: 75.8 P842).

1148

**Simplified cleanup and liquid chromatographic determination of oxamyl residues in potato tubers.**

JANCA2. McGarvey, B.D. Chiba, M.; Olthof, T.H.A. Arlington, Va. : The Association. Journal of the Association of Official Analytical Chemists. July/Aug 1985. v. 68 (4). p. 753-756. Includes 9 references. (NAL Call No.: DNAL 381 AS7).

1149

**A telemetry device for impact detection.**

Halderson, J.L. Peterson, C.L.; Daigh, R.C. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Agricultural electronics--1983 and beyond : proceedings of the National Conference on Agricultural Electronics Applications, December 11-13, 1983, Hyatt Regency Illinois Center, Chicago, Illinois. p. 773-780. ill. Includes 19 references. (NAL Call No.: DNAL TK7882.A37N38 1983).

1150

**Uptake of PCBs by potatoes grown on sludge-amended soils.**

APQJA. Gosselin, B. Naylor, L.M.; Mondy, N.I. Orono, Me. : Potato Association of America. American potato journal. Oct 1986. v. 63 (10). p. 563-566. Includes references. (NAL Call No.: DNAL 75.8 P842).



# FOOD COMPOSITION, LIVESTOCK

1151

**Potato starch and flour in frankfurters: Effect on chemical and sensory properties, and total plate counts.**

Bushway, A.A. Belyea, P.R.; True, R.H.; Work, T.M.; Russell, D.O.; McGann, D.F. Chicago, Institute of Food Technologists. Journal of food science. Mar/Apr 1982. v. 47 (2). p. 402-404, 408. Includes 19 ref. (NAL Call No.: 389.8 F7322).

# FOOD COMPOSITION, HORTICULTURAL CROP

1152

## **Digestibility and possible toxicity of the yam *Dioscorea alata*.**

Panigrahi, S.NURIB. Francis, B. Los Altos : Geron-X, Inc. Nutrition reports international. Dec 1982. v. 26 (6). p. 1007-1013. Includes references. (NAL Call No.: RC620.A1N8).

1153

## **Effect of oryzalin and other herbicide treatments on selected quality factors of sweet potatoes.**

Hammett, L.K. Monaco, T.J. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. May 1982. v. 107 (3). p. 432-436. 15 ref. (NAL Call No.: 81 S012).

1154

## **Extraction of biologically incorporated (<sup>14</sup>C (carbon isotope)phorate residues from root crops (Pesticides, potatoes, carrots, radishes).**

Sonobe, H. Carver, R.A.; Krause, R.T.; Kamps, L.R. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. July/Aug 1982. v. 30 (4). p. 696-702. ill. 14 ref. (NAL Call No.: 381 J8223).

1155

## **Genetic and environmental control of potato glycoalkaloids.**

Sinden, S.L. Sanford, L.L.; Webb, R.E. Orono, Me. : Potato Association of America. American potato journal. Mar 1984. Literature review. v. 61 (3). p. 141-156. Includes references. (NAL Call No.: 75.8 P842).

1156

## **Measurement of physical properties of biological products with a video analyzer.**

Sistler, F.E. Wright, M.E.; Watson, R.M. St. Joseph, Mich. : American Society of Agricultural Engineers, c1984. Agricultural electronics--1983 and beyond : proceedings of the National Conference on Agricultural Electronics Applications, December 11-13, 1983, Hyatt Regency Illinois Center, Chicago, Illinois. p. 646-651. Includes 7 references. (NAL Call No.: DNAL TK7882.A37N38 1983).

1157

## **Quality of sweetpotatoes as affected by herbicides.**

Constantin, R.J. Porter, W.C.; Hernandez, T.P.; Hammett, H.L. Champaign : The Society. Proceedings - Southern Weed Science Society. 1982. 1982. (35th). p. 100-109. 2 ref. (NAL

Call No.: 79.9 S08).

1158

## **Residues of maleic hydrazide (plant growth regulator) in field-treated potatoes.**

Newsome, W.H. Washington, D.C., American Chemical Society. Journal of agricultural and food chemistry. Nov/Dec 1980. v. 28 (6). p. 1312-1313. 7 ref. (NAL Call No.: 381 J8223).

1159

## **Rheological, chemical and textural characteristics of sweet potato flakes.**

Rao, V.N.M.TAAEA. Graham, L.R. St. Joseph : The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Nov/Dec 1982. v. 25 (6). p. 1792-1798. ill. Includes references. (NAL Call No.: 290.9 AM32T).

1160

## **Structural, evolutionary and nutritional properties of proteinase inhibitors from potatoes.**

Ryan, C.A. Hass, G.M. Westport, Conn., Food & Nutrition Press. Antinutrients and natural toxicants in foods. 1979 (pub. 1981). Presented in a symposium sponsored by the A.C.S. Division of Agricultural and Food Chemistry, held at the American Chemical Society/Chemical Society of Japan International Congress in Honolulu, Hawaii, April 1-6, 1979. 1979 (pub. 1981). p. 169-185. ill. Includes 27 ref. (NAL Call No.: TX511.A5).

1161

## **Tuber quality control in potatoes for chip production from vine kill to storage.**

Eddowes, M. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Summer 1985. (fiche no. 85-6026). 5 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

# FEED CONTAMINATION TOXICOLOGY

1162

Synthesis and analysis of various 3-furyl ketones from *Perilla frutescens* (Acute bovine pulmonary toxicity caused by ingestion of moldy sweet potatoes, condiments).

Garst, J.E. Wilson, B.J. Washington, D.C. : American Chemical Society. Journal of agricultural and food chemistry. Sept/Oct 1984. v. 32 (6). p. 1083-1087. Includes 33 references. (NAL Call No.: 381 J8223).



# DIET AND DIET RELATED DISEASES

1163

**Antinutrients and natural toxicants in foods / edited by Robert L. Ory.**

Ory, Robert L.; 1985. Westport, Conn. Food & Nutrition Press c1981. Abstract: Proceedings of a 1979 symposium, presented for food scientists and nutritionists, cover 19 research themes in the area of food antinutrients and toxicants. Antinutrients include various materials present in plants that can bind essential minerals, allergens, flatus oligosaccharides, or vitamin antagonists. Toxicants include naturally-occurring toxins, and those that may occur from microbial activity during storage, processing, or cooking. Research themes include: sweet potato mold; the controversy over nitrites and nitrosamines; tremorgenic mycotoxins; cottonseed protein antinutrients; cereal grain hemagglutinins; potato and legume proteinase inhibitors; fluoride intake and retention; dietary fiber effects on zinc bioavailability; and vitamin B6 antagonists in natural products. (wz). Papers presented in a Symposium on Antinutrients and Natural Toxicants in Foods, sponsored by the A.C.S. Division of Agricultural and Food Chemistry, held at the American Chemical Society/Chemical Society of Japan International Congress in Honolulu, Hawaii, April 1-6, 1979. 378 p. : ill. ; 24 cm. Includes bibliographies and index. (NAL Call No.: TX511.A5 B-3135).

1164

**Naturally occurring toxicants and food additives: Our perception and management of risks.**

Hall, Richard L. Philadelphia, Franklin Institute Press. Abstract: In the list of food hazard sources, natural toxicants and food additives rank low on the list, but they are real risks that need to be managed and can serve as a measure for other food-related risks. Animal experimentation and human experience provide information by which toxicological risks and safety are judged. Safety evaluation considers the dose-response relationship, defense mechanisms, level of confidence in results, and quantification to determine the acceptable daily intake or margin of safety. The chief issue of debate is whether the dose-response curve is linear or curved which influences what is considered the virtually safe dose. Natural toxicants can be approached from origin, pharmacological effect, particular interest, and manageability or reduction. Solanine, islanditoxin, cyanogenetic glycosides, carototoxin, coniine, saxitoxin, tutin, and hyenanchin are toxins that are found in such common foods as potatoes, rice, carrots, and honey. Nutrition and cancer. Winter 1979. v. 1 (2). p. 27-36. ill. (NAL Call No.: RC262.C5N8).

1165

**Nutritional and toxicological aspects of food safety /edited by Mendel Friedman. -.**

Friedman, Mendel. New York : Plenum, c1984. Abstract: A collection of 26 authoritative papers, including a number from a 1982 symposium on the subject topic, emphasizes various toxicological and nutritional consequences of food components and food contaminants with respect to food safety. Topics range from general overviews (e.g.: diet-immunity interactions; megavitamin therapy safety; genetic and carcinogenic effects of plant flavonoids; chemical, metabolic, and genetic toxicity aspects of mutagens produced in cooked foods; the chemistry, toxicology, and nutritional consequences of protein-alkali reactions); to specific research areas (e.g.: metabolic and toxicity aspects of saccharin and aflatoxin B1; the modification of organomercurial toxicity by Se compounds regarding membrane permeability and DNA replication in carcinoma cells; nutritional studies of the potato tuber carboxypeptidase inhibitor). Data summaries and illustrations are included throughout the text and literature references are appended to each paper. (wz). "Based on the Symposium on Food Safety: Metabolism and Nutrition, sponsored by the Pacific Conference on Chemistry and Spectroscopy, held October 27-29, 1982, in San Francisco, California"--T.p. verso. xii, 584 p. : ill. ; 26 cm. -. Includes bibliographical references and index. (NAL Call No.: DNAL FNC RC622.N87 F&N B-4124).

# HOME ECONOMICS

1166

## **Pretty poisons.**

McBurnie, D. New York : American Baby, Inc.

Abstract: An illustrated overview discusses common house and garden plants and certain parts of everyday fruits and vegetables that are toxic to young children if eaten. Two common houseplants (dumbcane and philodendron) poison more children under age 5 than all other poisonous plants combined. It is estimated that plants poison as many as 250,000 Americans/year, with the majority of the victims being preschool children. Fruit and vegetable toxins include the seeds of apples, peaches, plums, and cherries, which contain cyanide, the uncooked sprouts ("eyes") and green parts of potatoes, the stems and leaves of tomatoes, and the leaf blades of rhubarb. Precautions that minimize child exposure are described.(wz). American baby. Sept 1985. v. 47 (9). p. 70-71, 83-84. ill. (NAL Call No.: DNAL HQ750.A2A4).

# POLLUTION

1167

**Differential ozone susceptibility of Centennial Russett and White Rose potato as demonstrated by fumigation and antioxidant treatments (Cultivars, California).**

Foster, K.W.APOJA. Guerard, J.P.; Oshima, R.J.; Bishop, J.C.; Timm, H. Orono : Potato Association of America. American potato journal. Feb 1983. v. 60 (2). p. 127-139. ill. 15 ref. (NAL Call No.: 75.8 P842).

1168

**Effects of simulated acidic rain on wash-off of fungicides and control of late blight on potato leaves.**

PHYTAJ. Van Bruggen, A.H.C. Osmeloski, J.F.; Jacobson, J.S. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Aug 1986. v. 76 (8). p. 800-804. Includes references. (NAL Call No.: DNAL 464.8 P56).

1169

**Efficacy of sweep-shank fumigation with 1,3-dichloropropene against pratylenchus penetrans and subsequent groundwater contamination.**

PLDRA. Loria, R. Eplee, R.E.; Baier, J.H.; Martin, T.M.; Moyer, D.D. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1986. v. 70 (1). p. 42-45. ill. Includes 18 references. (NAL Call No.: DNAL 1.9 P69P).

1170

**Simulated herbicide drift injury in potatoes.**

WSWPA. Leino, P.W. Haderlie, L.C. Reno : The Society. Proceedings - Western Society of Weed Science. Includes statistical data. 1985. v. 38. p. 93-99. (NAL Call No.: DNAL 79.9 W52).



# MATHEMATICS AND STATISTICS

1171

**Computer simulation raises question about timing protectant fungicide application frequency according to a potato late blight forecast Blitecast .**

PHYTAJ. Fohner, G.R. Fry, W.E.; White, G.B. St. Paul, Minn. : American Phytopathological Society. Phytopathology. Oct 1984. v. 74 (10). p. 1145-1147. Includes 10 references. (NAL Call No.: DNAL 464.8 P56).

1175

**Sample size determination for seed potato certification.**

APDJA. Lund, R.E. Sun, M.K.C. Orono, Me. : Potato Association of America. American potato journal. July 1985. v. 62 (7). p. 347-353. Includes 2 references. (NAL Call No.: DNAL 75.8 P842).

1172

**Economic impact of introducing rotations on Long Island potato farms.**

Lazarus, S.S. White, G.B. Amherst, Mass. : Northeastern Agricultural and Resource Economics Association. Extract: Potatoes have been grown continuously on many Long Island (New York) fields. Environmental concerns have raised questions about the continued usage of this practice. A farm-level linear programming model was used to investigate the economic impacts of crop rotations which result in reduced potato acreage. Crop rotations (an Integrated Pest Management tactic) reduced total pesticide use, but also reduced returns above variable costs as successively stringent rotation requirements were forced into the solution. The crop rotations which caused the least effect on income were identified. Northeastern journal of agricultural and resource economics. Includes statistical data. Oct 1984. v. 13 (2). p. 221-228. Includes 13 references. (NAL Call No.: DNAL AGE HD1773.A2N6).

1173

**The economic potential of crop rotations in Long Island potato production.**

Lazarus, S.S. White, G.B. Ithaca, N.Y. : The Station. A.E. Res. - New York State College of Agriculture and Life Sciences, Department of Agricultural Economics, Cornell University, Agricultural Experiment Station. May 1983. May 1983. (83-20). 37 p. Includes 12 references. (NAL Call No.: 281.9 C81A).

1174

**Interfacing the aim 65 for potato storage control.**

Rowe, R.J. Hunter, J.H.; Drechsel, C.M. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1984 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, Winter 1984. (84-5529). 12 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

# SOCIAL SCIENCES AND HUMANITIES

1176

**Potatoes, potatoes /by Anita Lobel. -.**

Lobel, Anita. New York : Harper & Row, 1967

Abstract: War and peace are the underlying themes of this warm, beautifully illustrated story about an old woman who had a potato farm and two sons. Though she tried to protect her sons and convince them not to join the war that had begun, she could not stop them and they ended up leading the opposing sides. One night when the fame and glory of fighting had worn off and both sides were hungry and tired, the sons remembered their mother and the farm, returned home and destroyed the farm fighting for the potatoes. Their wise mother refused to give them as much as a potato peel until they laid down their swords and abandoned the war effort. The grateful sons and the rest of the soldiers agreed, ate until they were full, and happily returned home to their own mothers with new found appreciation and love. (aj). 40 p. col. ill. ; 22 x 26 cm. (NAL Call No.: DNAL jPZ7.L62Po).





# AUTHOR INDEX

- , M.S.B. 392  
 ,Schmitt, M.R. 392  
 ABBIA. 141  
 Abdel-Rahman, M. 653  
 Abelentseva, G.M. 448  
 Acevedo-Borrero, E. 949  
 Acevedo, E. 51, 1015  
 Adams, M.J. 679  
 Adesiyun, S.O. 475, 1142, 1014  
 Agnew, C.W. 103, 350  
 Agrawal, V.P. 128, 181, 130, 197  
 AGREA. 848, 1135, 241  
 Ahn, J.K. 864  
 Aihara, T. 227  
 Akparanta, S.E. 806  
 Akre, R. 325  
 Aleman de O, M.A. 444  
 Allan, E. 747  
 Alley, H.P. 965, 971  
 Alozie, S.O. 37  
 Alt, F.L. 896  
 Alves, L.M. 120, 568  
 Alway, T. 577  
 and Ivanyuk, V.G. 689  
 Andersen, Llyod W. 367  
 Anderson, R.E. 178  
 Anderson, T.E. 349, 991, 259, 432  
 Andringa, J.T. 93, 225, 1092  
 Antonelli, A. 325  
 Antonelli, A.L. 363, 364, 251  
 Aphis, F. 174  
 APOJA. 838, 750, 692, 1150, 1054, 196, 61, 816,  
 1146, 1117, 728, 1051, 1130, 1102, 1127, 989,  
 1057, 765, 509, 658, 581, 550, 599, 515, 207,  
 1175, 81, 508, 639, 479, 651, 604, 349, 875,  
 654, 598, 789, 886, 760, 811, 1001, 906, 804,  
 1167, 889, 770, 866  
 Apple, A.E. 594, 562  
 Armbrust, E.J. 296, 1073, 1066  
 Ashby, B.H. 874  
 Averre, C.W. 716, 711, 710  
 Badra, T. 475, 1014, 1142, 470  
 Baerdemaeker, J. de. 870, 1045  
 Bahr, J.T. 958  
 Baier, J.H. 469, 1169  
 Bailey, M.J. 215  
 Baker, B. 15, 70, 1022  
 Baldwin, R.E. 529, 531, 682, 530, 681, 556  
 Ball, S.G. 96  
 Balmoori, M.R. 1114  
 Bandy, B. 4, 496  
 Bardalaye P.C. 398  
 Bardalaye, P. 1139  
 Baritelle, J.L. 20, 269, 23, 278  
 Barkai-Golan, R. 839, 506  
 Barlow, T. 386, 330, 63, 297  
 Barlow, T.B. 265  
 Barnes, G.L. 498  
 Barney, R.J. 296, 1073, 1066  
 Barrett, Michael. 1044  
 Bartz, J.A. 1117, 1146, 862, 730, 868, 704, 842  
 Bateman, G.L. 724  
 Baur, J.R. 1040  
 Bayer, G.H. 936  
 Beagle-Ristaino, J.E. 511  
 Beale, M.W. 967  
 Beaver, G. 880  
 BECTA. 1123, 1039  
 Beczner, L. 552  
 Beemster, A.B.R. 231, 752  
 Behringer, P. 226, 699  
 Bell, F. 125, 625, 624  
 Belyea, P.R. 1126, 1151  
 Binning, L. K. 986  
 Binning, L.K. 989, 1057, 26, 645, 356, 56, 160,  
 161, 893, 247, 83, 194, 1053  
 Birchfield, W. 483, 478, 451, 490, 205, 206  
 Bird, G.W. 472  
 Bisessar, S. 812, 561  
 Bishop, G.W. 331, 312, 354, 779, 394, 258  
 Bishop, J.C. 804, 1167  
 Bissonnette, H. 911  
 Bissonnette, H.L. 658, 581  
 Bissonnette, Howard L. 691  
 Bissonnette, Howard L. & Commercial vegetable.  
 980, 435, 505  
 Boer, S.H. de. 718  
 Bohn, H. 158, 1093  
 Bohnenblust, K.E. 495, 803  
 Boldt, Paul F. 435, 980, 505  
 Boniol, D.P. 451, 490, 714  
 Bonsi, C.K. 198, 107  
 Booth, R.H. 72, 770, 889, 467, 852  
 Bostock, R.M. 858  
 Boswell, T.E. 216, 113  
 Bouwkamp, J.C. 87, 683  
 Bovey, R.W. 1040  
 Bowman, T. 668  
 Braude, G.L. 146, 1119  
 Braue, C.A. 151, 796, 867  
 Braun, H.E. 277, 997  
 Bressan, R.A. 149  
 Brewer, J.W. 1083  
 Brierley, Philip. 602, 861, 1112  
 Brierley, Philip. 603  
 Brindley, W.A. 293  
 Bristol, D.W. 995, 1136, 1147  
 Brodie, B.B. 489, 109, 480, 454  
 Brown, M.J. 307  
 Brown, R.H. 601  
 Brucato, M.L. 480  
 Bruck, R.I. 562, 667  
 Bruhn, J.A. 630, 594, 1024, 1038, 507  
 Bryns, G.W. 1011  
 Bryn, J.E. 889, 770, 203  
 Buelow, F.H. 702, 841  
 Buescher, R.W. 1114, 45, 131  
 Bunt, J.A. 162  
 Burditt, A.K. Jr. 344, 298  
 Bureau, J.L. 1131  
 Burka, L.T. 49  
 Burton, V. 477, 324  
 Bushnell, J.L. 229, 1050, 1098  
 Bushway, A.A. 1126, 1151  
 Bushway, R.J. 1131  
 Buta, J.G. 876  
 Butterfield, E.J. 572, 1007  
 Bwelle, R.B. 82, 963

# AUTHOR INDEX

- Byrne, D.N. 394, 779, 258  
 Byther, R.S. 740  
 CAGRA. 351, 481  
 Cairns, T. 1145, 1026  
 Callihan, R.H. 832, 1025, 811, 760, 1001  
 Campbell, A.J. 517  
 Campbell, R.B. 860, 170  
 Campbell, R.K. 349  
 Campbell, T.M. 534  
 Campos, E. 883  
 Cancelado, R.E. 232, 233  
 Cantelo, W.W. 347, 152, 281, 328, 335, 263, 240  
 Cantwell, G.E. 281, 335, 263, 240  
 Capar, S.G. 146, 1119  
 Capinera, J.L. 1083  
 Cappellini, R.A. 853  
 Cargill, B.F. 865, 1113  
 Carlson, O.V. 352, 1059  
 Carlton, C.C. 266  
 Caron, M. 751  
 Carroll, R.J. 46, 1085  
 Carter, J.V. 827  
 Carver, R.A. 1154, 1010  
 Casagrande, R.A. 283, 274, 322  
 Casagrande, Richard. 235, 493  
 CASBA. 569, 1046  
 Caveness, F.E. 470  
 Cayley, G.R. 768, 320  
 Ceponis, M.J. 853  
 Cetas, R.C. 620  
 Chalfant, R.B. 423, 422, 244  
 Chandra, S. 1076, 1079, 42, 882  
 Chaney, W.E. 338  
 Chang, L.A. 823  
 Chang, T.C. 155  
 Chapman, K.S. 11, 831, 1104  
 Chase, R.W. 88  
 Chauvin, R.L. 344, 298  
 Cheema, A.S. 33  
 Chen, H.H. 833, 105  
 Chet, I. 773, 646  
 Chiba, M. 1035, 1148  
 Chitsaz, M. 906  
 Chittenden, F. H. 66, 1018, 425, 1071, 64, 1017  
 Chiu, J.C. 445  
 Chou, L.I. 445  
 Christensen, N.W. 798, 129  
 Chu, C.C. 824, 1047  
 Claflin, Larry. 739, 637, 557  
 Clark, C.A. 786, 664, 108, 712, 452, 483, 713, 478, 715, 451, 490, 714  
 Clark, R.A. 322  
 Clarke, R.G. 764, 290  
 Cline, K. 626  
 Cochrane, W.P. 1016, 35, 992  
 Coffelt, J.A. 318  
 Cohen, Y. 579, 551  
 Coli, William M. 78, 191  
 Collins, W.W. 825, 859, 822, 864  
 Colyer, P.D. 705, 843  
 Comeau, J.E. 915  
 Comes, R. 23, 278  
 Constantin, R.J. 1157, 1032  
 Converse, R.H. 290, 764  
 Conway, K.E. 188, 498, 650, 189  
 Cook, L.W. 995, 1136, 1147  
 Cooke-Stinson, L. 848, 1135  
 Copeland, R.B. 723, 567, 741, 657, 673, 578  
 Copeman, R.J. 746  
 Corey, K.A. 822, 859  
 Corsini, D. 632, 102, 34, 985  
 Corsini, D.L. 82, 963, 509, 81, 811, 760, 1001  
 Coudriet, D.L. 333  
 Crane, S. 952  
 Cranshaw, W.S. 60, 1065  
 Crawford, R.A. 623  
 Creighton, C.S. 314, 406  
 Creighton, J.F. 837, 978, 983, 954  
 Crowley, R.H. 973  
 CRPTD6. 320, 768  
 Cruz, C. 245  
 Csizinszky, A.A. 95, 135  
 Cuppels, D.A. 733  
 Currie, R.A. 1011  
 Curwen, D. 26, 645, 356, 57, 847  
 Da Costa, F.F. 144  
 Daigh, R.C. 1105, 1149  
 Daise, R.L. 1125  
 Davenport, J. 472  
 Davidson, R.M. Jr. 363, 740, 364, 638  
 Davies, H.T. 69, 769  
 Davis, G.A. 410  
 Davis, J.E. 1031  
 Davis, J.R. 508, 68, 631  
 de Boer, R.F. 601  
 De Boer, S.H. 717, 746, 747, 733  
 de Kort, C.A.D. 395  
 Deahl, K.L. 152, 347  
 Dean, B.B. 796, 151, 867  
 Dearborn, C.H. 77, 190  
 Dearborn, Curtis H. 209  
 Deedat, Y.D. 271  
 Delincee, H. 855, 165  
 Delp, C.J. 695  
 DeMarco, A.C. 984  
 Derrick, K.S. 786  
 Derting, C.W. 947, 1013  
 DeVoy, M. 880  
 Devoy, M.L. 19, 59, 854  
 Dhesi, S.S. 524  
 Diamond, L. 1138  
 Diehl, H. C. 826  
 Diener, T.O. 648, 735, 774  
 Dimitrova, E. 792  
 Dinkel, D.H. 976  
 Dinoor, A. 506, 839  
 Dively, G.P. 399  
 Doke, N. 644, 680  
 Dorozhkin, N.A. 689  
 Dortland, J.F. 315, 1058  
 Doskocil, M.J. 374  
 Dougherty, M.L. 620  
 Drechsel, C.M. 52, 1174  
 Drew, M.E. 776  
 Droby, S. 839, 506  
 Drummond, F.A. 274  
 Drummone, F.A. 283  
 Dudley, J. E. 262, 1062, 370, 1067, 371, 1068  
 Dueben, B. 318  
 Dukes, P.D. 996, 805, 113, 216, 660, 582  
 Duncan, H.J. 136, 217  
 Dutt, B.L. 606, 575, 543, 524  
 Dwelle, R.B. 832, 1025, 509  
 Dykstra, T. P. 1896. 503  
 Easton, G.D. 684, 636, 640, 546, 548, 638, 547, 549, 544, 545  
 Echandi, E. 866, 432  
 Eck, A.G. van. 162  
 Eddowes, M. 885, 1161  
 Edwards, G.E. 891  
 Edwards, Richard C. 373  
 El-Dash, A.A. 41, 878  
 Elad, Y. 646, 773  
 Ellis, C.R. 271  
 Ensminger, M.P. 958  
 Eplee, R.E. 469, 1169



# AUTHOR INDEX

- Epley, R.J. 1125  
 Eskandari, F. 295, 766  
 ETOCDK. 998  
 Evans, K. 468, 167, 180  
 Everett, C.F. 984, 1027, 1094  
 EVETB. 419, 416, 344, 298, 354  
 EVETEX. 152, 347, 101, 323, 292, 98, 279, 321, 1049, 433, 417, 274  
 Fagerlie, D.L. 23, 278  
 Fahner, G.R. 577  
 Farrar, C.A. 351  
 Fassuliotis, G. 314, 406  
 Faubert, H. 274  
 Ferro, D.N. 357, 248  
 Ferro, David N. 78, 191  
 Filadelfi, M.A. 1144  
 Flinn, P.W. 286  
 Flores, V. 784, 111  
 FNETD. 471, 458, 456, 466, 464, 457, 472, 588, 584, 533, 623, 610, 712, 716, 583, 587, 527, 597, 609, 607, 546, 548, 601, 462, 452  
 Fohner, G.R. 520, 1171, 21, 28, 1030  
 Folwell, R.J. 20, 269, 23, 278  
 FOPSA. 622  
 Forbush, T. 605, 1087  
 Forbush, T.D. 865  
 Forgash, A.J. 346, 332  
 Forrest, J.M.S. 208  
 Foster, K.W. 804, 1167  
 Fouarge, G. 697, 441  
 Fouss, J.L. 975, 1096, 1055  
 Fox, R.A. 649, 553  
 Franc, G.D. 569, 1046, 598  
 Francis, B. 1152  
 Francis, J.A. 366, 306, 300, 336, 1021, 531, 682, 530  
 Franco P, J. 180  
 Franco, J. 195, 167  
 Frank, R. 997, 277  
 Freeman, J.A. 67, 830, 1019  
 French, Eduardo R. 224  
 French, W.M. 762, 168  
 Fribourg, C.E. 787  
 Fricke, F.L. 146, 1119  
 Friedman, Mendel. 1165, 1122  
 Friedman, W. 488, 487  
 Friesen, G.H. 86, 1034  
 Fry, W.E. 520, 1171, 630, 594, 1024, 1038, 577, 507, 562, 663, 667  
 Fujita, M. 834, 661  
 Furuichi, N. 627  
 Galaini, S. 419  
 Ganacharya, N.M. 647  
 Garas, N.A. 644, 680  
 Garcia, C. 420  
 Garcia, S. 600  
 Garner, J.G. 811, 760, 1001  
 Garst, J.E. 1162, 1081, 1124  
 Gawronski, S.W. 832, 1025  
 GCENA. 395  
 Gellert, N.H. 1110  
 GENSA. 336, 1021  
 GENSAB. 335  
 Ghate, S.R. 994, 802  
 Ghidiu, G.M. 358, 355  
 Ghidum G.M. 346  
 Gibson, R.W. 768, 320, 418  
 Giebink, B.L. 276  
 Giggie, A.E. 709, 993, 521  
 Giggie, E. 610, 609, 607, 2, 706, 512  
 Giggie, E.A. 616, 613, 615, 612, 614, 611  
 Gilson, F.A. 583, 539, 540  
 Glaze, N.C. 981, 940  
 Glenn, S. 955  
 Glynn, M.T. 755, 851  
 Gollands, B. 98, 279  
 Gordon, C. 666, 1033  
 Gosselin, B. 1150, 1054, 1130, 1051  
 Goth, R.W. 782, 403  
 Grafius, E. 288, 1008  
 Graham, D.C. 748  
 Graham, J. 749  
 Graham, L.R. 1159  
 Grahm, D.T. 134  
 Graney, L. 472  
 Grant, S.W. 874  
 Graustein, M. 327  
 Green J. 89, 491  
 Green-Ortiz, J.J. 51, 1015  
 Green, J. 484, 693  
 Greider, R.S. 968, 910, 951  
 Griffin, G.D. 476, 166, 175  
 Griffitt, K.R. 44  
 Grissell, E.E. 280, 1075, 1080  
 GRLEA. 281  
 Groskopp, M.D. 519, 541, 68, 631  
 Gross, D.C. 727, 745  
 Grounds, G. 610, 609, 607, 2, 706, 512  
 Gudmestad, N.C. 750, 838, 692, 765, 558  
 Guenthner, J. 12, 799  
 Guerard, J.P. 804, 1167  
 Gullings-Handley, J. 737  
 Haard, N.F. 33  
 Hackett, H. 912  
 Haderlie, L.C. 82, 963, 835, 1036, 1170, 832, 1025, 81  
 Hague, N.G.M. 212  
 Hahn, S.K. 763  
 Halderson, J.L. 82, 963, 1105, 1149, 81  
 Hall, D.H. 668  
 Hall, M.R. 629  
 Hall, R. 813, 563  
 Hall, Richard L. 1164, 1121  
 Hallee, N.D. 874, 11, 831, 1104  
 Hamilton, M.G. 216, 113  
 Hammerschmidt, R. 720, 554  
 Hammett, H.L. 712, 1157, 1032, 715, 714  
 Hammett, L.K. 85, 823, 923, 1153  
 Hammond, M.W. 16, 846, 1086  
 Hampson, M.C. 670  
 Handa, A.K. 149  
 Hane, D.C. 58, 1056  
 Hanks, E.M. 39, 1077  
 Hannapel, D. 97, 142  
 Hansen, J.L. 998  
 Hardin, G.B. 185, 873  
 Hare, J.D. 417, 416, 304, 622, 261  
 Harmon, S.A. 981, 940, 244  
 Harris, C.R. 987, 254  
 Harris, R.I. 732  
 Harrison M.D. 238, 703  
 Harrison, B.D. 777, 780, 767  
 Harrison, H.F. Jr. 805, 996  
 Harrison, M.D. 569, 1046, 598, 857, 566, 659, 665  
 Hart, D.S. 312  
 Hart, W. 324, 477  
 Harter, L. L. 501  
 Hartill, W.F.T. 676  
 Hasegawa, P.M. 149  
 Hass, G.M. 1160  
 Heath, R.R. 318  
 Heberlein, G.T. 736  
 Hecht-Buchholz, C. 159, 117  
 Heikes, D.L. 1129, 44  
 Heinemann, W.W. 39, 1077



# AUTHOR INDEX

- Heisler, E.G. 120, 568  
 Helms, T.W. 229, 1050, 1098  
 Henfling, J. 515, 850  
 Henfling, J.W.D.M. 858, 132, 672  
 Hepperly, P.R. 887, 694, 693  
 Hermanson, R.E. 881, 1090  
 Hermesen, J.G.T. 785, 211, 112  
 Hernandez, T. 386  
 Hernandez, T.P. 1032, 1157  
 Hess, F.D. 958  
 Hidalgo, O.A. 866  
 Hide, G.A. 570, 125, 625, 624  
 Higgins, R. 372  
 Hiller, L.K. 961, 148, 163  
 Hines, T.E. 966  
 HJHSA. 817, 1111, 629, 994, 802, 85  
 Hodgkin, T. 729, 126  
 Hodgson, W.A. ed. 555  
 Hofmaster, R.N. 366, 306, 336, 1021, 424, 253, 361, 252  
 Hofstra, G. 563, 813  
 Hogg, D.B. 292, 276  
 Holbrook, F.R. 788, 431  
 Holland, H.L. 685  
 Holley, J.D. 813, 563  
 Holliday, J.M. 208  
 Hollingsworth, C.S. 354  
 Hollingsworth, Craig S. 78, 191  
 Holm, D. 690, 836  
 Homan, H.W. 250  
 Hook, B.J. 955  
 Hoopes, R.W. 178  
 Horng, L.C. 977  
 Hostounsky, Z. 389  
 Hower, A.A. 286, 410  
 Hower, A.A. Jr. 369  
 Hruschka, H.W. 876  
 Hsiao, T.H. 316  
 Humburg, N.E. 965  
 Humburg, N.E. comps. 971  
 Hunger, R.M. 643  
 Hunter, J.H. 52, 1174  
 Hurley, P.J. 509  
 Hyde, G.M. 16, 846, 1086, 881, 1090, 1089  
 Hygnstrom, J.R. 26, 645, 356  
 Ignoffo, C.M. 420  
 Ilnicki, R.D. 956, 967, 977, 952  
 Inoue, H. 1132  
 Iritani, W.M. 1116  
 Ito, I. 1132  
 Ito, R. 1132  
 Ito, Y. 1009, 1140, 1128  
 Ivanova, A. 795  
 Ivany, J.A. 969, 654, 972, 202  
 Iwaida, M. 1009, 1128, 1140  
 Jackson, T.L. 798, 129  
 Jacobsen, B.J. 634, 177  
 Jacobson, J.S. 573, 1168  
 Jadhav, S.J. 153, 1120  
 Jadhav, V.T. 756  
 JAFCA. 146, 1119, 984  
 JAFCAU. 145, 856, 143, 1129  
 James, R.L. 274  
 James, S.R. 907  
 JANCA. 1012, 1141  
 JANCA2. 1139, 1035, 1148  
 Jansson, R.K. 323, 101, 321, 1049  
 Janzen, K. 912  
 JARPD. 1138  
 Jarvis, M.C. 560, 136, 217  
 Jaswani, M.D. 606  
 Jatala, P. 492, 852, 467  
 JAUPA. 887, 694, 484, 89, 491  
 Jaworski, C.A. 994, 802, 744  
 JCECD. 318  
 JEENA. 1083, 271, 329, 1020, 285  
 JEENAI. 988, 256, 1061, 430, 286, 328, 288, 1008, 346, 283, 30, 434, 103, 350, 333, 154, 375, 276, 410, 355, 991, 259  
 Jenkins, S.F. Jr. 532  
 Jermy, Tibor. 236, 1060  
 Jewett, H.H. 362  
 JFBID. 1114  
 JFDSA. 1131  
 JFPPD. 1103  
 JFPRDR. 1125, 1009, 1140, 1128  
 JIVPA. 389  
 JKESA. 296, 1073, 1066  
 JNPRDF. 260, 140, 144  
 Johnson, D. 324, 477  
 Johnston, R.L. 377, 376, 301  
 JONEB. 489, 109, 476, 480, 314, 461  
 Jones, A. 348, 805, 996, 386, 113, 216, 660, 582  
 Jones, D.A. 749  
 Jones, J.M. 187  
 Jones, R.L. 998  
 Jones, S.B. 118, 688, 46, 1085  
 Jurd, L. 329, 1020  
 KAEB. 353, 362  
 Kahl, G. 173, 123, 169, 121  
 Kaiser, H. 239, 1082  
 Kamps, L.R. 1010, 1154  
 Karim, M.I.A. 1103  
 Katan, J. 773, 646  
 Kee, E. 327  
 Kelling, K.A. 57, 847  
 Kelly, J.R. 218  
 Kelly, R. 187  
 Kelman, A. 1146, 1117, 845, 702, 841, 862, 730, 868, 704, 842, 883, 707  
 Kennedy, G.G. 359, 285, 432  
 Khan, I.A. 576  
 Khan, M.A. 395  
 Killick, R.J. 759  
 Kimmel, E.C. 1138  
 Kimpinski, J. 204  
 King, P.S. 463  
 King, R.R. 1141, 1012  
 Kirpes, D.J. 20, 269  
 Klein, L.B. 1076, 1079  
 Kleinkopf, G.E. 213  
 Kleinschmidt, G. 59, 19, 854  
 Kleinschmidt, G.D. 874  
 Kloepper, J.W. 238, 703  
 Klopping, H.L. 695  
 Koch, R.L. 863, 1048  
 Koenig, R. 787  
 Kok, L.T. 959  
 Kolattukudy, P.E. 796, 867, 151, 128, 181, 197, 130  
 Koller, D.C. 148  
 Konig, K. 700  
 Koopmanschap, A.B. 395  
 Koterba, M.T. 995, 1136  
 Kouskolekas, C.A. 266  
 Krachanova, B. 792  
 Krause, R.T. 1010, 1154  
 Kroha, M. 420  
 Kubo, S. 771  
 Kuc, J. 850, 672, 132  
 Kuc, J.A. 858  
 Kuhn, L.W. 182  
 Kumar, A. 606  
 Kupatt, C.C. 956, 967  
 Kurantz, M.J. 688, 118

# AUTHOR INDEX

- Lachance, R.O. 751  
 Lacy, M.L. 720, 554  
 Ladd, T.L. 408, 110, 407  
 Lahman, L.K. 659  
 LaMondia, J.A. 480  
 Lamp, W.O. 296, 1066, 1073  
 Lang, W. 324, 477  
 Langenberg, W.G. 753  
 Langerfeld, E. 50, 701  
 Lanouette, M. 1016  
 Lapwood, D.H. 679  
 LaRosa, P.C. 149  
 Lashomb, James H. 493, 235  
 Laski, R.R. 1123, 1039  
 Latorre, B.A. 111, 784  
 Laughlin, W.M. 137, 119  
 Lauritzen, John I. 1884-. 602, 861, 1112  
 Lawrence, J.F. 990, 1134  
 LAXBA. 265  
 Lazarus, S.S. 18, 1100, 1172, 25, 1173  
 Leach, S.S. 10, 497, 4, 496, 666, 1033  
 Leary, T.R. 134  
 Lech, S.S. 599  
 Lecrone, S. 409  
 Ledebuhr, R.L. 865, 605, 1087, 1113  
 Lee, L. 97, 142  
 Leidy, R.B. 979, 1041  
 Leino, P.W. 835, 1170, 1036  
 Li, P.H. 827, 105, 833  
 Liao, C.H. 736  
 Liegel, E.A. 83, 194, 1053  
 Lightner, G.W. 853  
 Lindegren, J.E. 1084, 1069  
 Linduska, J.J. 336, 1021, 334  
 Lipe, W.N. 571, 725  
 Lipton, Werner J. 1108  
 Liu, L.C. 949, 51, 1015  
 Lobel, Anita. 84, 1176  
 Lofgren, John A. 435, 980, 505  
 Logan, C. 567, 723, 657, 741, 673, 578  
 Logan, P.A. 416, 593  
 Long, S.H. 317  
 Loof, A. De. 329, 1020  
 Lopes, C.A. 514  
 Loria, R. 469, 1169, 419, 708, 473, 589, 485  
 Love, J. 40  
 Lucas, B.S. 210  
 Lujan-Claure, Lauro, . 53  
 Lund, R.E. 207, 1175  
 Lutman, P.J.W. 909, 908  
 Lynch, D.R. 1088  
 Lynn, L.B. 891, 960  
 Lyon, G.D. 126, 729  
 Maas, M.R. 36, 559  
 Maatta, C. 1127, 1102  
 MacDaniels, L.H. 800  
 MacDonald, D.H. 177, 634  
 MacGillivray, M.E. 237  
 MacHardy, W.E. 671, 674  
 Macherel, D. 1006  
 MacKenzie, D.R. 513, 669, 210, 642, 662  
 MacVean, C.M. 1083  
 Maher, E. 702, 841  
 Maher, E.A. 883  
 Maimberg, A.G. 143  
 Mains, W.H. 1088  
 Malaguti, G. 698  
 Malcolmson, J.F. 635  
 Mali, V.R. 756  
 Malik, M.M.S. 576  
 MAMRA. 10, 497, 4, 496, 11, 831, 1104, 2, 706, 512, 1, 242, 3, 243, 1072, 9, 946, 122  
 Manzer, F. 610, 609, 607, 2, 706, 512  
 Manzer, F.E. 616, 613, 993, 709, 615, 612, 521, 614, 611, 1137, 743, 761, 234, 719  
 Marcan, H. 560  
 Marco, S. 104, 772  
 Margolies, D.C. 248  
 Marr, Charles William, . 869  
 Marsh, P.M. 273, 1064  
 Martin, C. 515  
 Martin, M.W. 179  
 Martin, T.M. 469, 1169  
 Martinez, D.G. 345  
 Mateeva-Radeva, A. 249  
 Matthew, David L. & Field crops insects. 373  
 Matthews, D.L. 824, 1047  
 Mayor, A.J. 284  
 McBurnie, D. 1166  
 McEwen, F.L. 277, 997  
 McGann, D.F. 1131, 1126, 1151  
 McGarvey, B.D. 1035, 1148  
 McGuire, R.G. 845  
 McIntosh, A.H. 724  
 McIntyre, G.A. 643  
 McLeod, C.D. 61, 816  
 McSorley, R. 462  
 Meggitt, William F. 1044  
 Mellaert, H. Van. 329, 1020  
 Meltzer, Martin. 22, 164  
 Merriam, D.C. 761, 719  
 Meyer, F.W. 633  
 Meyer, M.W. 146, 1119  
 Meyer, N.L. 59, 19, 854  
 Meyerdirk, D.E. 333  
 Mignery, G. 97, 142  
 Mignucci, J.S. 887, 694, 693  
 Mihuta, L.J. 527  
 Minotti, P.L. 936  
 Minton, E.B. 29, 974  
 Misener, G.C. 61, 816  
 Moghal, S.M. 576, 608  
 Mohanty, C.R. 139, 1109  
 Moline, H.E. 876  
 Monaco, T.J. 979, 1041, 923, 1153  
 Mondor, W. 302, 415  
 Mondor, W.T. 413, 412, 303  
 Mondy, N.I. 1054, 1150, 1051, 1130, 145, 856, 1076, 1079, 42, 882, 863, 1048  
 Moore, R.E.B. 304  
 Moreau, R.A. 860, 170  
 Morgan, F. 911  
 Morrow, L.S. 808, 917, 926, 935, 925, 939, 901, 933, 920, 914, 931, 810, 919, 1000, 801, 900, 9, 946, 122, 928, 905, 899, 921, 903, 922, 938, 945, 818, 932, 1004, 918, 999, 809, 929, 815, 1003, 924, 819, 934, 1005, 927, 814, 1002, 944, 930, 898, 902, 904  
 Mosley, A.R. 73, 183, 1052  
 Mount, M.S. 843, 705  
 Mouzin, T.E. 338  
 Moyer, D.D. 469, 1169, 821  
 Moyer, J.W. 230, 499, 711  
 MUCBA. 720, 554, 390  
 Mukherjee, R. 144  
 Mullen, M.A. 216, 113  
 Mulrooney, R.P. 597, 595, 596, 590  
 Mundt, C.C. 562  
 Munkeby, O. 222  
 Murase, H. 47, 1091  
 Murdoch, C. 4, 496  
 Murdoch, C.W. 599, 10, 497  
 Murphy, H.J. 917, 808, 926, 935, 925, 939, 901, 933, 920, 914, 931, 810, 919, 1000, 801, 900, 9, 946, 122, 928, 905, 899, 916, 807, 921, 903, 922, 938, 945, 818, 932, 1004, 918, 999, 809, 929, 815, 1003, 924, 819, 934, 1005, 927, 814,



# AUTHOR INDEX

- 1002, 944, 930, 898, 902, 904, 24, 913  
Mutch, D.R. 88  
Nagaich, B.B. 80, 656, 378  
Nagle, M.E. 684, 636, 640, 546, 548, 547, 549, 544, 545  
Nandris, D. 678  
NASSD. 774, 735, 648  
Naylor, L.M. 1054, 1150, 1051, 1130  
Nelson, D.C. 906, 995, 1136, 1147, 199  
Nelson, G.A. 728, 734  
Newsome, W.H. 1158, 43, 201  
Nickle, W.R. 239, 1082  
Nielsen, L.W. 726  
Nnodu, E.C. 598, 857, 566, 665  
Noetzel, David M. 980, 435, 505  
Nolan, E.S. 210  
Nolte, P. 838, 692, 750  
NONGA. 800  
Nuckles, E. 858  
NURIB. 1152  
Nutter, F.W. Jr. 671  
Nyrop, J.P. 433  
O'Sullivan, J. 574  
OASPA. 76, 962, 331, 953, 943, 73, 183, 1052, 907, 62, 941  
Oba, K. 661, 834, 1132  
Obrycki, J.J. 988, 256, 1061, 98, 279  
Ogawa, S. 1128, 1009, 1140  
Ogg, A.G. 892, 895, 897, 23, 278  
Olivier, J. 697, 441  
Olthof, T.H.A. 1035, 1148  
Ono, K. 114, 790  
Oramas, D. 484, 89, 491  
Ord, B.G. 133, 1037  
Ortiz, F.H. 949  
Ory, Robert L.,. 1163, 1118  
Oshima, R.J. 804, 1167  
Osman, S.F. 48, 884  
Osmeloski, J.F. 573, 1168  
OSSBA. 193, 504  
Ostlie, K.R. 372  
Osypchuk, A.A. 791, 115  
Owens, R.A. 648, 774, 735  
Pace, C.S. 786, 108, 664  
Page, O.T. 203  
Palta, J.P. 833, 105  
Panasiuk, O. 401  
Panda, J.M. 139, 1109  
Panhwar, M.S. 608  
Panigrahi, S. 1152  
Panopio, L.G. 990, 1134  
Papavizas, G.C. 511  
Park, W. 97, 142  
Parker, B.L. 889, 770  
Parker, K.A. 390  
Parker, N.Y. 979, 1041  
Parker, R. 892, 895, 897, 894  
Parks, J.R. 27, 1042, 92, 1043  
Parks, John R. 1908. 75, 1029  
Parrado, J.L. 462  
Parrella, M.P. 959  
Paterson, D.R. 216, 113  
Pathan, I.H. 576, 608  
Pavek, J. 102, 632  
Pawloski Sinn, J. 65, 829, 150  
PCBPB. 958, 293, 1006  
Peacock, Walter M. 1886. 388  
Pecknold, P. C. & Plant disease control. 516  
Pedigo, L. 372  
Peek, Bill L. 54, 696, 439  
Pell, E.J. 65, 829, 150, 828  
Pennazio, S. 793  
Penner, D. 88  
Perombelon, M.C.M. 737  
Perrigan, S.C. 73, 183, 1052  
Perring, T.M. 351  
PESWA. 317  
Peter, A.M. 353  
Peters, M.A. 137, 119  
Peterson, C.L. 1149, 1105  
Petitt, F.L. 313  
Pfleger, F. L. 980, 435, 505  
Pharr, D.M. 825, 823, 864  
Phatak, S.C. 802, 994, 940  
Phelps, R.L. 59, 19, 854  
Phene, C.J. 975, 1055, 1096  
Phillips, M.S. 99, 172  
Phills, B.R. 107, 198  
PHSWA. 239, 1082  
PHYTA. 727, 745, 845, 594, 858, 1024, 1038  
PHYTAJ. 579, 573, 1168, 511, 563, 813, 572, 1007, 520, 1171  
Piccioni, M. 1078  
Pienkowski, R.L. 345, 404  
Piglionica, V. 698  
Pinkerton, J.N. 455, 1097  
Plate, H. 824, 1047  
Platt, H.W. 550, 604, 654, 517  
PLDRA. 786, 518, 664, 108, 455, 1097, 71, 500, 469, 1169, 111, 784, 684, 862, 636  
PLPHA. 155, 827  
PNASA. 149  
PNWSB. 917, 808, 978, 837, 926, 935, 956, 925, 939, 821, 967, 901, 970, 933, 920, 948, 914, 931, 810, 919, 1000, 983, 801, 900  
Ponnampalam, R. 145, 856  
Ponti, R.P. 455, 1097, 471, 458, 456, 466, 464, 457, 465, 459, 460  
Pope, M.H. 463  
Porter, G.A. 899, 807, 916  
Porter, W.C. 1157, 1032, 950  
Post, F.J. 36, 559  
Potaro, L. 4, 496  
Potaro, L.J. 10, 497  
Potter, H.S. 623, 605, 1087, 1113, 722, 721, 538  
Powell, D. 302, 415, 413, 303, 426  
Powell, D.M. 411, 299, 412, 305, 391, 427, 414, 20, 269, 393, 264  
Powelson, M.L. 675, 619  
PPRBA. 513  
Prabhaker, N. 333  
Prasad, L. 606  
Pratt, A. 800  
Preston, D.A. 875  
Price, K.C. 865, 1113  
Proshold, F.I. 318  
Prusky, D. 839, 506  
Pscheidt, J.W. 518  
Pumphrey, F.V. 58, 1056  
Puttler, B. 317  
Qualls, M. 461  
Quinn, C.E. 748  
Radcliffe, E.B. 377, 376, 301, 60, 1065, 232, 233  
Radcliffe, Edward B. 294, 171  
Radewald, J. 477, 324  
Ragab, M.T. 984  
Ragab, M.T.H. 1094, 1027  
Rajashekar, C.B. 827  
Raman, K.V. 365  
Rancour, John Michael, . 138  
Randle, W.M. 817, 1111, 664, 108  
Rao, V.N.M. 1159  
Rathore, Y.S. 275  
Ravanel, P. 871, 1115, 1006



# AUTHOR INDEX

- Rawsthorne, D. 489, 109  
 Razvi, I.A. 608  
 Rebois, R.V. 200  
 Redd-Bonwiendyu, Dickson D.,. 156  
 Reed, D.K. 339  
 Reese, G.L. 339  
 Reese, L.E. 623  
 Reid, W. J. 387  
 Reid, W. J. 1902. 388  
 Reifschneider, F.J.B. 514  
 Rensner, P.E. 296, 1073, 1066  
 Resmer, R. 605, 1087  
 Retan, A. 325, 326, 437, 436  
 Retan, A.H. 251  
 Retzinger, E.J. 947, 1013  
 Reyes, A.A. 574  
 Rice, A.D. 402  
 Rich, Avery E. 890, 502, 1095  
 Riedel, R.M. 479, 639  
 Riley, E.G. 265  
 Rioux, R. 915  
 Ritchey, G. 277, 997  
 Roberts, D.W. 349, 991, 259, 419  
 Roberts, P.A. 481, 474  
 Rodríguez-Kabana, R. 463  
 Roggenbuck, F. 88  
 Rolston, L.H. 265, 386, 330, 63, 297  
 Roman, J. 484, 89, 491  
 Romanow, L.R. 359  
 Romanowski, Roman R. 54, 696, 439  
 Rose, R.L. 293  
 Rosenberger, D.A. 633  
 Rothwell, A. 655  
 Rourke, R.V. 998  
 Rouse, D.I. 30, 434  
 Rowe, R.C. 193, 504, 71, 500, 533, 639, 479, 651, 621, 527, 686, 537, 526, 542, 525, 564, 535  
 Rowe, R.J. 52, 1174  
 Rowhani, A. 778  
 Ruppel, R.F. 390  
 Russell, D.O. 1126, 1151  
 Rustin, P. 141  
 Ryall, A. Lloyd. 1108  
 Ryan, C.A. 1160  
 Ryzhenko, S.N. 223  
 Sabo, J.P. 1138  
 Sachan, G.C. 275  
 Sadler, A.J. 598  
 Saigusa, T. 227  
 Salazar, L.F. 777, 780, 767  
 Saltsman, P. 2, 706, 512  
 Salunkhe, D.K. 153, 1120, 849  
 Samoucha, Y. 579, 551  
 Sams, R.L. 103, 350  
 Sanchez Boccherini, J. 228, 449  
 Sanchez Estrada, C. 443  
 Sand, P.F. 174  
 Sandberg, C.L. 947, 1013  
 Sanders, D.C. 359, 806  
 Sanderson, P. 588, 584  
 Sandvol, L. 312  
 Sandvol, L.E. 250  
 Sanford, H.A. 731  
 Sanford, L.L. 347, 152, 100, 1155, 408, 110, 308, 124, 407  
 Santo, G.S. 455, 1097, 471, 458, 456, 466, 464, 457, 461, 465, 459, 460  
 Sato, K. 1132  
 Sato, N. 565  
 Savage, T.S. 1026, 1145  
 Savos, M.G. 220  
 Sawicki, R.M. 402  
 Schalk, J.M. 348, 399, 113, 216  
 Schaper, L.A. 875  
 Schearer, W.R. 140, 260  
 Scheuerman, R.W. 481, 474  
 Scheunert, I. 1023  
 Schoenemann, J.A. 57, 847  
 Schroder, R.F.W. 281, 335  
 Schroeder, D.B. 220  
 Schubert, O.E. 896  
 Schulte, E.E. 83  
 Scott, D. H. 516  
 Scovell, M.A. 353  
 Scriber, J.M. 276  
 Secor, G.A. 838, 692, 750, 765  
 Sedykh, A.S. 448  
 Seekamp, G. 158, 1093  
 Segura I., G.W. 536  
 Seilleur, P. 96  
 Selleck, G.W. 620, 968, 910, 937, 951, 942  
 Semel, M. 349  
 Sewell, G.H. 340, 1, 242, 993, 709, 521  
 Sewell, W.D. 94  
 Shade, R.E. 374  
 Shahin, E.A. 580  
 Shands, W. A. 267, 1063  
 Shanta, P. 552  
 Shapovalov, Michael. 494  
 Sharma, K.G. 524  
 Sharma, R.P. 153, 1120, 37  
 Shaw, K.C. 352, 1059  
 Sheets, T.J. 979, 1041  
 Shelton, A.M. 284, 360, 429, 405, 379  
 Shepard, J.F. 580  
 Shepherd, R.J. 758  
 Sherrod, D.W. 341, 300, 336, 1021, 287, 820  
 Shields, E.J. 30, 434, 26, 645, 356  
 Shiffriss, C. 772, 104  
 Shrestha, S.K. 742  
 Shumaker, J.R. 90, 754, 453  
 Shumway, J. 97, 142  
 Shuvakhina, E.IA. 440  
 Sieczka, J.B. 1102, 1127, 978, 837, 821, 983, 954, 91  
 Siegfried, R. 50, 701  
 Siegmund, E.G. 1026, 1145  
 Silcox, C.A. 346, 358  
 Simonet, D.E. 404  
 Simpson, C.E. 103, 350  
 Sinden, S.L. 152, 347, 100, 1155, 797, 308, 124  
 Singh, A.K. 80, 656, 378  
 Singh, Amerika. 677  
 Singh, B. 606  
 Singh, D.S. 543  
 Singh, G. 524  
 Singh, J. 35, 992  
 Singh, N.K. 149  
 Singh, R. 606  
 Singh, R.P. 776, 775  
 Singh, R.S. 214, 522, 591, 687, 523, 592  
 Singh, V.B. 214, 522, 591, 687, 523, 592  
 Siqueira, C.B. 514  
 Sistler, F.E. 1156  
 Sistrunk, W.A. 1103  
 Skaggs, R.W. 806  
 Slack, S.A. 717, 738, 743, 74, 184, 731, 707  
 Smid, D. 961  
 Smilowitz, Z. 323, 101, 321, 1049, 313, 409, 210, 337, 310, 311, 428  
 Smith, G.R. 119, 137  
 Smith, J.W. Jr. 350, 103  
 Smith, O.P. 521, 614, 611  
 Smith, T.J. 20, 269  
 Solar, James Michael,. 1028

# AUTHOR INDEX

- Sonnet, P.E. 318  
 Sonobe, H. 1154, 1010  
 Soto, M. 821  
 Spadafora, V.J. 630  
 Sparks, W.C. 1116  
 Specht, L. 4, 496  
 Spencer, D. 649, 553  
 Speroni, J.J. 828  
 Spiers, J.G.C. 186  
 Stace-Smith, R. 778  
 Stacey, L. 423, 422  
 Stallknecht, G. 34, 985  
 Stanger, C.E. 76, 962, 331, 953, 943  
 Stark, J.C. 509  
 Steele, W.M. 470  
 Stevens, E.R. 1031  
 Stevenson, W. R. 986, 516  
 Stevenson, W.R. 518, 989, 1057, 588, 584, 26, 645, 356, 56, 160, 738, 583, 587, 57, 847, 586, 539, 519, 585, 540, 541, 652, 161, 893, 247, 83  
 Stewart, J. 588, 584  
 Stiles, D.B. 11, 831, 1104  
 Stimmann, M. 324, 477  
 Storch, R.H. 340, 1, 242, 3, 243, 1072, 993, 709, 521, 234  
 Strand, C. 712, 452  
 Stranger, C.E. 62, 941  
 Straten, S. van. 342, 127  
 Strother, G.R. 266  
 Stuart, William. 79  
 Sturgeon, R.V. Jr. 188, 650, 189  
 Su, J.C. 155  
 Sun, M.K.C. 207, 1175  
 Surak, J.G. 38  
 Suzuki, H. 1140, 1009, 1128  
 Svec, H.J. 987, 254  
 SWSPB. 947, 1013  
 Sykes, G.B. 219  
 Sylvester, E.S. 766, 295  
 TAAEA. 1089, 1159  
 Tabarski, B.A. 620  
 Taborsky, B.A. 473, 589, 485  
 Takanami, Y. 771  
 Takeuchi, A. 1132  
 Tamaki, G. 344, 298, 20, 269, 23, 278  
 Tamaki, George. 319  
 Tarasova, Valentina Petrovna. 221  
 Tauber, C.A. 98, 279  
 Tauber, M.J. 988, 256, 1061, 98, 279  
 Taylor, G.J. 685  
 Taylor, L.M. 112, 785, 211  
 Teem, D.H. 973  
 Teng, P.S. 658, 581  
 Teotia, S.S. 606  
 Theander, O. 143  
 Thibodeaux, Sidney Denis. 255  
 Thomas, D.G. 725, 571  
 Thomas, P. 165, 855  
 Thomas, P.E. 789, 886  
 Thomason, I. 477, 324  
 Thompson, N.P. 398  
 Thomson, S.V. 528  
 Thoreson, M.C. 199  
 Thornley, W.R. 1106  
 Thornton, R. 151, 867, 796  
 Thornton, R.E. 16, 846, 1086, 881, 1090, 1089  
 Thornton, R.K. 16, 846, 1086  
 Thorton, R.E. 251  
 Thuma, B.A. 537, 526  
 Timm, H. 804, 1167  
 Tingey, W.M. 988, 256, 1061, 309, 385, 106, 282, 365  
 Tissut, M. 871, 1115, 1006  
 Toba, H.H. 411, 272, 326, 437, 1069, 1084, 381, 383, 382, 436, 438, 393, 257, 380, 384, 246  
 Toivio-Kinnucan, M. 833, 105  
 Tomiyama, K. 627  
 Torres, H. 515  
 Torres, R. 694, 887  
 Toscano, N. 324, 477  
 Toscano, N.C. 351  
 Toscano, N.C. comp. 324, 477  
 Tosello, A. 41, 878  
 Trial, Walter T. 872  
 Troiana, J. 572, 1007  
 True, R.H. 1151, 1126, 1137  
 Tseng, Tsung-Che. 628  
 Tumlinson, J.H. 318  
 Turczyn, M.T. 874  
 Turner, J.E. 1084, 1069, 381, 383, 382, 438, 393, 257, 380, 384, 246  
 Turner, M.P. 783  
 Tysowsky, Michael, . 421, 1074, 1070  
 Umaerus, V. 176  
 Urbain, W.M. 888, 1101, 1107  
 Uritani, I. 834, 661, 1132  
 UTSCB. 229, 1098, 1050  
 Vail, P.V. 1084, 1069  
 Valat, M. 141  
 Valencia, L. 418  
 Vallavielle, C. de. 678  
 Van Bruggen, A.H.C. 573, 1168  
 Van de Klashorst, G. 282  
 Van Denburgh, R.W. 148, 163  
 Van Ee, G.R. 605, 1087  
 Vannelli, J.J. 1039, 1123  
 Vanurova, E. 450  
 Varns, J.L. 875, 755, 851  
 Varns, Jerry Lee, . 116, 510  
 Vaughan, D. 133, 1037  
 Vecchiati, M. 793  
 Velez, H. 887, 694  
 Verma, S.S. 543  
 Vervaeke, F. 870, 1045  
 Vishwakarma, S.N. 214, 522, 591, 687, 523, 592  
 Visser, J.H. 127, 342  
 Viswanathan, R. 1023  
 Vitolo, D. 977, 952  
 Vitolo, D.B. 956, 967  
 Vlasova, V.A. 442  
 Vrugink, H. 718  
 Waddill, V.H. 398  
 Wade, M. 626  
 WAEBA. 495, 803  
 Wainwright, A. 270  
 Walgenbach, J.F. 989, 1057, 292, 375, 154  
 Wall, D.A. 86, 1034  
 Wallace, D.B. 593, 322  
 Wambugu, F.M. 765  
 Wample, R.L. 151, 796, 867  
 Wang, C.Y. 876  
 Warholc, D.T. 970  
 Warren, J.W. 414  
 Wascom, Bunnie William, . 400  
 Waters, Luther Jr. 980, 505, 435  
 Watson, B. 786, 712, 452, 483, 713, 478  
 Watson, R.M. 1156  
 Webb, R.E. 100, 1155, 797, 744, 403, 782, 200  
 WEESA6. 805, 996, 832, 1025, 979, 1041  
 Weimer, J. L., . 501  
 Weingartner, D.P. 90, 147, 754, 453, 618, 486, 617  
 Weinhold, A.R. 668  
 Weis, G.G. 585, 652  
 Weiss, Freeman\_1892. 861, 602, 1112, 603  
 Weissberger, W.C. 828

# AUTHOR INDEX

Wells, J.M. 853  
 Wells, P.W. 399  
 Whalon, M.E. 337, 310, 311, 428  
 Wheaton, F.W. 874  
 Wheeler, W.B. 1139  
 White, G.B. 18, 1100, 1172, 520, 1171, 25, 1173, 21, 28, 1030  
 Wielgat, B. 123, 173, 121, 169  
 Wiersema, S.G. 852, 467  
 Wilkinson, A.T.S. 307  
 Wilson, B.J. 1124, 1162, 1081, 1143, 49  
 Wilson, H.P. 966, 957  
 Wilson, J.H. 471, 458, 456, 466, 464, 457  
 Wilson, J.I. 455, 1097  
 Wilson, L.A. 99, 172  
 Wislocka, M. 794  
 Wolnik, K.A. 146, 1119  
 Woodruff, D.W. 1089  
 Woodson, W.R. 817, 1111  
 Work, T.M. 1151, 1126, 1137  
 Workman, M. 836, 690, 569, 1046, 857, 566, 659  
 Wouters, A. 870, 1045  
 Wright, M.E. 1156  
 Wright, R. C. 1885. 31, 844, 1133, 826  
 Wright, R. C. 1885-. 388  
 Wright, R.J. 433, 291, 416  
 WSWPA. 835, 1036, 1170  
 Wu, C.H. 947, 1013  
 Wu, M.T. 849  
 WUEXA. 325, 892, 326, 895, 364, 881, 1090  
 Wyman, J. A. 986  
 Wyman, J.A. 989, 1057, 292, 30, 434, 154, 375, 26, 645, 356, 56, 160, 57, 847, 161, 893, 247, 284, 83, 360, 429, 405, 379  
 Xu, G.W. 727, 745  
 Yamamoto, Y. 114, 790  
 Yarris, L. 241  
 Yik, C.P. 451, 490, 205, 206  
 Young, D.A. 69, 769  
 Young, R.J. 896  
 Young, R.S. 948  
 Zacharius, R.M. 48, 884  
 Zehnder, G.W. 430  
 Zepp, G.A. 17, 1099  
 Zhuk, V.IU. 115, 791  
 Zielinska, L. 886, 789  
 Zink, R.T. 558  
 Zottola, E.A. 1125  
 1922. 53  
 1925. 1163, 1118  
 1933. 400  
 1939. 156  
 1941. 869  
 1942. 510, 116, 421, 1074, 1070  
 1943. 1028, 138







